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REMOVAL SUPPORT TEAM 3
EPA CONTRACT EP-S2-14-01

March 15, 2017

Mr. Gezahegne Bushra, On-Scene Coordinator
U.S. Environmental Protection Agency, Region II
Removal Action Branch
2890 Woodbridge Avenue
Edison, New Jersey 08837

EPA CONTRACT NO: EP-S2-14-01

TDD No: TO-0007-0045

DC No: RST3-03-F-0100

**SUBJECT: FINAL REMOVAL ASSESSMENT SAMPLING TRIP REPORT –
ORCHARD STREET SITE, NEWBURGH, ORANGE COUNTY, NEW
YORK**

Dear Mr. Bushra,

Enclosed please find the Final Removal Assessment Sampling Trip Report for the soil sampling event conducted at the Orchard Street Site located in Newburgh, Orange County, New York on August 1 through 4, 2016. The U.S. Environmental Protection Agency's (EPA) comments to the draft version (DC No. RST3-03-D-0057) of this report have been incorporated. If you have any questions or comments, please contact me at (732) 585-4412.

Sincerely,

WESTON SOLUTIONS, INC.

A handwritten signature in black ink, appearing to read "Robert Croskey".

Robert Croskey
RST 3 Site Project Manager

Enclosure
cc: TDD File: TO-0007-0045

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Environmental Compliance Consultants, Inc., Avatar Environmental, LLC,
On-Site Environmental, Inc., and Sovereign Consulting, Inc.

FINAL REMOVAL ASSESSMENT SAMPLING TRIP REPORT

SITE NAME: Orchard Street Site
DC No.: RST3-03-F-0100
TDD No.: TO-0007-0045
EPA ID: A26M
SAMPLING DATES: August 1 through 4, 2016

1. Site Location: 48 Orchard Street
Newburgh, Orange County, New York
(Refer to Attachment A, Figure 1: Site Location Map)

2. Site Description and Background Information:

The Orchard Street Site (the Site) consists of an area encompassing approximately 2.7 acres located at 48 Orchard Street in the City of Newburgh, Orange County, New York. The Site is, for the most part, undeveloped with a surface depression located in the northwestern and southwestern portion of the Site. The southwestern portion of the Site is reported to have historically been used as a surface dumping area for household and commercial refuse, and landfill for coal ash until 1940. Surface refuse noted in the disposal zone includes glass, coal, coal ash, wood, metal, battery cases, drums, and other containers. The Site is bordered by residential properties to the east, west and south and a vacant commercial property to the north.

The primary contaminants of concern at the Site are semivolatile organic compounds (SVOCs) and metals in surface soils, SVOCs and metals in subsurface soils, and metals in groundwater. According to reports from previous environmental investigations of the Site, coal ash generated from surrounding residential and commercial properties was deposited onto western portions of the Site between the 1920's to the 1940's. In some areas, the coal and other miscellaneous debris deposits extend to at least 16 feet below ground surface (bgs). Laboratory analytical results of samples collected as part of these previous investigations of the Site revealed concentrations of SVOCs, specifically polycyclic aromatic hydrocarbons (PAHs), in subsurface soils that exceeded the New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCOs). A remedial investigation, which was conducted at the Site in December 2012, included surface soil sampling, soil sampling from test pits, and sediment sampling from the naturally occurring wet area of the Site. Analytical results of some surface soil samples revealed elevated concentrations of SVOCs and metals.

On July 6, 2016, Weston Solutions, Inc., Removal Support Team 3 (RST 3) and the U.S. Environmental Protection Agency (EPA) conducted a reconnaissance at the Site to determine the scope of work for a Removal Assessment sampling event.

3. Removal Assessment Objectives

As part of the Removal Assessment activities at the Site, RST 3 was tasked by EPA with the collection of soil samples from three residential properties (Property P001, Property P002, and Property P003) and two paper roads (Paper Road PR001 and Paper Road PR002). The analytical results from the sampling event would assist EPA in determining whether the soil at the Site contains elevated concentrations of target analyte list (TAL) metals and/or SVOCs in order to determine if a potential Removal Action would be required in the future. On August 1, 2016, RST 3 mobilized to the Site to provide support to EPA for the Removal Assessment.

Refer to Attachment A, Figure 2: Areas of Concern Map.

4. On-Site Personnel:

Name	Representing	Duties On-Site
Gezahegne Bushra	U.S. EPA, Region II	On-Scene Coordinator
Robert Croskey	RST 3, Region II	Site Project Manager, Site H&S, Site QA/QC, Sample Collection, and Sample Management
Patrick Ahern	RST 3, Region II	Sample Collection
Matthew Kaplan	RST 3, Region II	Sample Collection

EPA = Environmental Protection Agency

RST 3 = Removal Support Team 3

H&S = Health and Safety

QA/QC = Quality Assurance/Quality Control

5. Sample Collection Methodology:

Soil sampling activities were conducted at the Site in accordance with EPA Environmental Response Team (ERT)/Scientific Engineering Response and Analytical Services (SERAS) Standard Operating Procedure (SOP) Number (No.) 2001: *General Field Sampling Guidelines*, SOP No. 2012: *Soil Sampling*, and *EPA Superfund Lead-Contaminated Residential Sites Handbook*. Soil sampling locations along the two paper roads were selected by the EPA On-Scene Coordinator (OSC) every 100 linear feet beginning at Orchard Street and extending 500 linear feet north. Prior to initiating sampling activities along the paper roads, EPA and RST 3 cleared the over-grown vegetation around the area. Prior to initiating sampling activities at the residential properties, Dig Safely New York conducted subsurface utilities mark-out at the request of RST 3.

At each sampling location, soil borings were advanced to depths from which samples were collected at 0 to 2 inches, 2 to 6 inches, 6 to 12 inches, 12 to 18 inches, 24 to 30 inches, and 36 to 42 inches bgs. At each sampling location, a shovel was first utilized to dig up the top 2 inches of soil from which a soil sample corresponding to a depth approximately 0 to 2 inches bgs was collected using dedicated plastic scoops. Utilizing a new dedicated plastic scoop, the hole was advanced to a depth of 6 inches from which a soil sample corresponding to approximately 0 to 6 inches bgs was collected. Thereafter, hand augers were utilized to advance the boring, where possible, up to 42 inches bgs. At sampling locations where subsurface bedrock was encountered, the boring location was moved approximately 2 feet in any desired direction. If refusal due to presence of bedrock was encountered after three attempts at a sampling location, the boring was stopped, and soil sample was collected at the terminating depth interval. For the remaining sampling depth intervals (6 to 12 inches, 12 to 18 inches, 24 to 30 inches, and 36 to 42 inches bgs), dedicated plastic scoops were utilized to collect soil samples directly from the hand augers. Each paper road soil sample was collected as a grab sample and each residential soil sample was collected as a composite sample. Soil sample locations at the residential properties were divided into quadrants. Property P001 was divided into three quadrants and Property P002 and Property P003 were divided into four quadrants each. Five sample locations were selected by the EPA OSC in each quadrant at each property. Aliquots collected from each depth interval throughout each quadrant were composited in equal amounts into one sample for that specific depth interval.

The soil samples were placed directly into re-sealable plastic bags, homogenized, pre-screened on-site for volatile organic compounds (VOCs) and lead using a MultiRAE (equipped with a photoionization detector) and x-ray fluorescent (XRF) technology, respectively, and then placed

into 8 ounce glass sample jars. Fresh nitrile gloves were donned between sampling intervals and locations. Decontamination of non-dedicated sampling equipment (*i.e.*, hand augers and shovels was conducted in accordance with EPA ERT/SERAS SOP 2006: *Sampling Equipment Decontamination* and was performed before and after the sampling event, between soil sampling intervals and locations, and consisted of an industrial soap (Alconox®) solution scrub and potable water rinse. In order to demonstrate adequate decontamination of non-dedicated sampling equipment, a rinsate blank was collected at the end of each sampling day by pouring deionized water over a decontaminated hand auger or shovel and collecting the rinse water in a 1 liter plastic sample container. All samples were preserved on ice in storage coolers after collection.

Quality assurance/quality control (QA/QC) samples, including matrix spike/matrix spike duplicate (MS/MSD) samples and field duplicate samples were collected at the rate of 1 per 20 field samples. All sample information was transcribed into EPA's SCRIBE database, an environmental data management system, from which sample labels and chain of custody (COC) records were generated. The sample labels were affixed to each sample jar which was then stored on ice in coolers. Soil samples were submitted to the EPA Division of Environmental Science and Assessment (DESA) laboratory located in Edison, New Jersey for TAL metals analysis. Soil samples were also submitted to Chemtech Consulting Group (Chemtech) laboratory located in Mountainside, New Jersey for target compound list (TCL) SVOC analysis. Global Positioning System (GPS) technology was utilized to document all the soil sampling locations. RST 3 performed photographic documentation and maintained a site logbook to document all RST 3 site activities throughout the Removal Assessment.

Refer to Attachment A, Figure 3: Soil Sample Location Map and Attachment D: Photographic Documentation of Site Activities.

6. Laboratories Receiving Samples:

The following laboratories were utilized during the August 2016 sampling event:

Laboratory Name/Location	Sample Matrix	Analyses
EPA DESA Laboratory 2890 Woodbridge Ave. Bldg. 209, MS-230 Edison, NJ 08837	Soil and Aqueous (Rinsate Blanks)	TAL Metals
Chemtech Consulting Group 284 Sheffield Street Mountainside, NJ 07092	Soil and Aqueous (Rinsate Blanks)	TCL SVOCs

EPA = Environmental Protection Agency

DESA = Division of Environmental Science and Assessment

TAL = Target Analyte List

TCL = Target Compound List

SVOC = Semivolatile Organic Compounds

7. Sample Collection and Dispatch Summary:

On August 1 through August 4, 2016, RST 3 collected a total of 130 soil samples, including six field duplicates from two paper roads and three residential properties on site. A total of 35 soil samples, including two field duplicates were collected from Paper Road PR001, a total of 37 soil samples, including two field duplicates were collected from Paper Road PR002, a total of 15 soil

samples were collected from Property P001, a total of 21 soil samples, including one field duplicate were collected from Property P002, and a total of 22 soil samples, including one field duplicate were collected from Property P003. A total of four rinsate blanks were collected for the duration of the event.

On August 3, 2016, a total of 35 soil samples, including two field duplicates and one rinsate blank were shipped via Fed Ex Airbill No.: 776914980073, under COC Record No. 2-080316-185942-0004 to EPA DESA laboratory for TAL metals analysis, and a total of 35 soil samples, including two field duplicates and one rinsate blank were shipped via Fed Ex Airbill No.: 776914980073, under COC Record No.: 2-080316-192451-0005 to Chemtech for TCL SVOC analysis.

On August 4, 2016, a total of 57 soil samples, including three field duplicates and two rinsate blanks were hand-delivered by the EPA OSC, under COC Record No. 2-080416-164718-0006 to EPA DESA laboratory for TAL metals analysis.

On August 5, 2016, a total of 38 soil samples, including one field duplicate and one rinsate blank were hand-delivered by RST 3, under COC Record No. 2-080516-082648-0009 to EPA DESA laboratory for TAL metals analysis, and a total of 95 soil samples, including four field duplicates and three rinsate blanks were hand-delivered by RST 3, under COC Record No. 2-080516-081950-0007 to the Chemtech for TCL SVOC analysis.

Refer to Attachment B, Table 1: Sample Collection Summary Table and Attachment C: Chain of Custody Record and FedEx Airbills.

8. Field Screening Results Summary

As part of the Removal Assessment activities, RST 3 utilized a multiRAE and XRF technology to conduct field screening of soil samples for volatile organic compounds (VOCs) and lead, respectively. RST 3 pre-screened all the soil samples collected during the event and documented the concentrations of VOCs and lead in each sample. Field screening results for VOCs were not compared with any regulatory limits. Field screening results for lead were compared with the EPA Removal Management Level (RML) for Residential Soil of 400 parts per million (ppm).

Based upon field screening results for Paper Road PR001, soil samples collected 6 to 12 inches and 12 to 18 inches bgs at PR001-SS002, 12 to 18 inches bgs at PR001-SS003, and 0 to 2 inches, 2 to 6 inches, 12 to 18 inches, 24 to 30 inches, and 36 to 42 inches bgs at PR001-SS004, indicated concentrations of lead above the EPA RML of 400 ppm.

Based upon field screening results of the soil samples collected along Paper Road PR002, lead concentrations were not detected above the EPA RML of 400 ppm.

Based upon field screening results for Property P001, soil sample collected 36 to 42 inches bgs at P001-SS002, indicated a concentration of lead above the EPA RML of 400 ppm.

Based upon field screening results for Property P002, soil sample collected 12 to 18 inches bgs at P002-SS002 and 6 to 12 inches bgs at P002-SS003, indicated concentrations of lead above the EPA RML of 400 ppm.

Based upon field screening results of the soil samples collected at Property P003, lead concentrations were not detected above the EPA RML of 400 ppm.

Refer to Attachment B, Table 2A: Paper Road PR001 Field Screening Results Summary Table, Table 2B: Paper Road PR002 Field Screening Results Summary Table, Table 2C: Property P001 Field Screening Results Summary Table, Table 2D: Property P002 Field Screening Results Summary Table, and Table 2E: Property P003 Field Screening Results Summary Table.

It is noteworthy that substantial amounts of broken battery casings and debris were observed at two on-site areas identified as Battery Area 1 and Battery Area 2, located east of the Site adjacent to Paper Road PR001. RST 3 did not conduct screening or sampling of the areas; however, photographic documentation of the areas was performed by RST 3.

Refer to Attachment A, Figure 2: Areas of Concern Map and Attachment D: Photographic Documentation of Site Activities.

9. Analytical Results Summary

The validated analytical results of all the soil samples collected during the August 2016 sampling event were compared with the EPA RMLs for Residential Soil. For reference purposes, the validated analytical results of the soil samples collected at the two paper roads were compared with the NYSDEC Restricted-Residential Use Soil Cleanup Objectives (RRUSCO), and the validated analytical results of the soil samples collected at the three residential properties were also compared with the NYSDEC Residential Use Soil Cleanup Objectives (RUSCO). Based upon the validated analytical results, some of the soil samples collected throughout the Site indicated concentrations of TCL SVOCs, specifically PAHs, and TAL metals, which were equal to, or exceeded either the EPA RMLs and/or the NYSDEC RRUSCO/RUSCO values, or both. For the purpose of this report, only compounds and analytes with concentrations exceeding the EPA RMLs are discussed.

TCL SVOCs:

Based upon the validated analytical results of soil samples collected along Paper Road PR001, six soil samples (sample number and concentration in parenthesis), including PR001-SS002-0612-01 (1,700 µg/kg), PR001-SS002-1218-01 (1,800 µg/kg), PR001-SS003-1218-01 (8,900 µg/kg), PR001-SS004-0002-01 (8,000 J [estimated value] µg/kg), PR001-SS004-1218-01 (1,700 µg/kg), and PR001-SS004-3642-01 (1,700 µg/kg), indicated concentrations of benzo(a)pyrene exceeding the EPA RML of 1,600 µg/kg. Two soil samples, PR001-SS003-1218-01 (1,800 J µg/kg) and PR001-SS004-0002-01 (2,100 J µg/kg), indicated concentrations of dibenzo(a,h)anthracene exceeding the EPA RML of 1,600 µg/kg. The concentrations of TCL SVOCs, specifically benzo(a)pyrene and dibenzo(a,h)anthracene, were below the respective EPA RMLs in soil samples collected 24 to 30 inches and 36 to 42 inches bgs at PR001-SS002 and PR001-SS003, respectively. The concentration of benzo(a)pyrene exceeded the EPA RML at the deepest interval (36 to 42 inches bgs) sampled at PR001-SS004. The concentrations of TCL SVOCs, specifically dibenzo(a,h)anthracene, were below the respective EPA RMLs in soil samples collected 2 to 6 inches, 6 to 12 inches, 12 to 18 inches, 24 to 30 inches, and 36 to 42 inches bgs at PR001-SS004. Soil sampling locations PR001-SS001, PR001-SS005, and PR001-SS006 had no exceedance of TCL SVOCs, including PAHs, at all the depth intervals sampled.

Based upon the validated analytical results of soil samples collected at Property P002, one soil sample P002-SS002-0002-01 (2,100 µg/kg) indicated concentration of benzo(a)pyrene exceeding the EPA RML of 1,600 µg/kg. The concentrations of TCL SVOCs, specifically benzo(a)pyrene, was below the respective EPA RMLs in soil samples collected 2 to 6 inches, 6 to 12 inches, 12 to

18 inches, 24 to 30 inches, and 36 to 42 inches bgs at P002-SS002. Quadrants P002-SS001, P002-SS003, and P002-SS004 had no exceedance of TCL SVOCs, including PAHs, in soil samples collected at all the depth intervals sampled.

Based upon the validated analytical results of soil samples collected along Paper Road PR002, Property P001, and Property P003, the concentrations of TCL SVOCs, including PAHs, were not detected above the respective EPA RMLs in any soil sample collected at all the sampling locations and depth intervals.

Refer to Attachment A, Figure 2: Areas of Concern Map, Figure 3: Soil Boring Location Map, Figure 4: Soil Analytical Results Map – TCL SVOCs Exceedances, Attachment B, Table 3A: Paper Road PR001 Validated Soil Analytical Results Summary Table – TCL SVOCs, Table 3B: Paper Road PR002 Validated Soil Analytical Results Summary Table – TCL SVOCs, Table 3C: Property P001 Validated Soil Analytical Results Summary Table – TCL SVOCs, Table 3D: Property P002 Validated Soil Analytical Results Summary Table – TCL SVOCs, Table 3E: Property P003 Validated Soil Analytical Results Summary Table – TCL SVOCs, and Attachment E: Data Validation Memo Soil Analytical Results - TCL SVOCs.

TAL Metals:

Based upon the validated analytical results of soil samples collected along Paper Road PR001, six soil samples, including PR001-SS002-1218-01 (330 mg/kg), PR001-SS004-0002-01 (88 mg/kg), PR001-SS004-0206-01 (62 mg/kg), PR001-SS004-1218-01 (330 mg/kg), PR001-SS004-2430-01 (260 mg/kg), and PR001-SS004-3642-01 (260 mg/kg), indicated concentrations of antimony exceeding the EPA RML of 31 milligrams per kilogram (mg/kg). Three soil samples, including PR001-SS004-1218-01 (150 mg/kg), PR001-SS004-2430-01 (97 mg/kg), and PR001-SS004-3642-01 (94 mg/kg), indicated concentrations of cadmium exceeding the EPA RML of 71 mg/kg. One soil sample, PR001-SS004-2430-01 (55,000 mg/kg), indicated a concentration of iron which was equal to the EPA RML of 55,000 mg/kg and one soil sample, PR001-SS004-3642-01 (86,000 mg/kg), indicated a concentration of iron exceeding the EPA RML. Ten soil samples, including PR001-SS002-0612-01 (410 mg/kg), PR001-SS002-1218-01 (3,800 mg/kg), PR001-SS003-1218-01 (1,400 mg/kg), PR001-SS003-2430-01 (410 mg/kg), PR001-SS004-0002-01 (1,100 mg/kg), PR001-SS004-0206-01 (730 mg/kg), PR001-SS004-0612-01 (480 mg/kg), PR001-SS004-1218-01 (2,300 mg/kg), PR001-SS004-2430-01 (1,800 mg/kg), and PR001-SS004-3642-01 (1,600 mg/kg), indicated concentrations of lead exceeding the EPA RML of 400 mg/kg. The concentration of antimony, cadmium, iron, and lead exceeded the respective EPA RMLs at the deepest interval (36 to 42 inches bgs) sampled at PR001-SS004. The concentrations of TAL metals, specifically lead, was below the EPA RML in soil sample collected 36 to 42 inches bgs at PR001-SS003. The concentrations of TAL metals, specifically antimony and lead, were below the respective EPA RMLs in soil samples collected 24 to 30 inches and 36 to 42 inches bgs at PR001-SS002. Soil sampling locations PR001-SS001, PR001-SS005, and PR001-SS006 had no exceedance of TAL metals at all the depth intervals sampled.

Based upon the validated analytical results of soil samples collected along Paper Road PR002, the concentrations of TAL metals were not detected above the EPA RMLs in any soil samples collected at all the sampling locations and depth intervals.

Based upon the validated analytical results of soil samples collected at Property P001, one soil sample, P001-SS002-3642-01 (59,000 mg/kg), indicated a concentration of iron exceeding the EPA RML of 55,000 mg/kg. Two soil samples, including P001-SS001-1218-01 (560 mg/kg) and

P001-SS002-3642-01 (1,100 mg/kg), indicated concentrations of lead exceeding the EPA RML of 400 mg/kg. The concentrations of iron and lead exceeded the respective EPA RMLs at the deepest interval (36 to 42 inches bgs) sampled at P001-SS002. The concentrations of TAL metals, specifically lead, were below the respective EPA RMLs in soil sample collected 24 to 30 inches at P001-SS001.

Based upon the validated analytical results of soil samples collected at Property P002, concentrations of TAL metals were not detected above the EPA RMLs in any soil samples collected at all the sampling locations and depth intervals.

Based upon the validated analytical results of soil samples collected at Property P003, one soil sample, P003-SS003-0206-01 (720 mg/kg), indicated a concentration of antimony exceeding the EPA RML of 31 mg/kg. Two soil samples, including P003-SS001-2430-01 (1,100 mg/kg) and P003-SS003-0206-01 (18,000 mg/kg), indicated concentrations of lead exceeding the EPA RML of 400 mg/kg. The concentrations of TAL metals, specifically antimony and lead, were below the respective EPA RMLs in soil samples collected 6 to 12 inches, 12 to 18 inches, and 24 to 30 inches bgs at P003-SS003. The concentration of lead exceeded the EPA RML at the deepest interval (24 to 30 inches bgs) sampled at P003-SS001. TAL metals were not detected above the EPA RMLs in any soil samples collected at all the sampling locations and depth intervals at quadrants P003-SS002 and P003-SS004.

Refer to Attachment A, Figure 2: Areas of Concern Map, Figure 3: Soil Boring Location Map, Figure 5: Soil Analytical Results Map - TAL Metals Exceedances, Attachment B, Table 4A: Paper Road PR001 Validated Soil Analytical Results Summary Table – TAL Metals, Table 4B: Paper Road PR002 Validated Soil Analytical Results Summary Table – TAL Metals, Table 4C: Property P001 Validated Soil Analytical Results Summary Table – TAL Metals, Table 4D: Property P002 Validated Soil Analytical Results Summary Table – TAL Metals, Table 4E: Property P003 Validated Soil Analytical Results Summary Table – TAL Metals, and Attachment E: Data Validation Memo Soil Analytical Results - TAL Metals.


Report prepared by: _____
Robert Croskey
RST 3 Site Project Manager

3/15/17
Date


Report reviewed by: _____
Bernard Nwosu
RST 3 Group Leader

3/15/17
Date

ATTACHMENT A

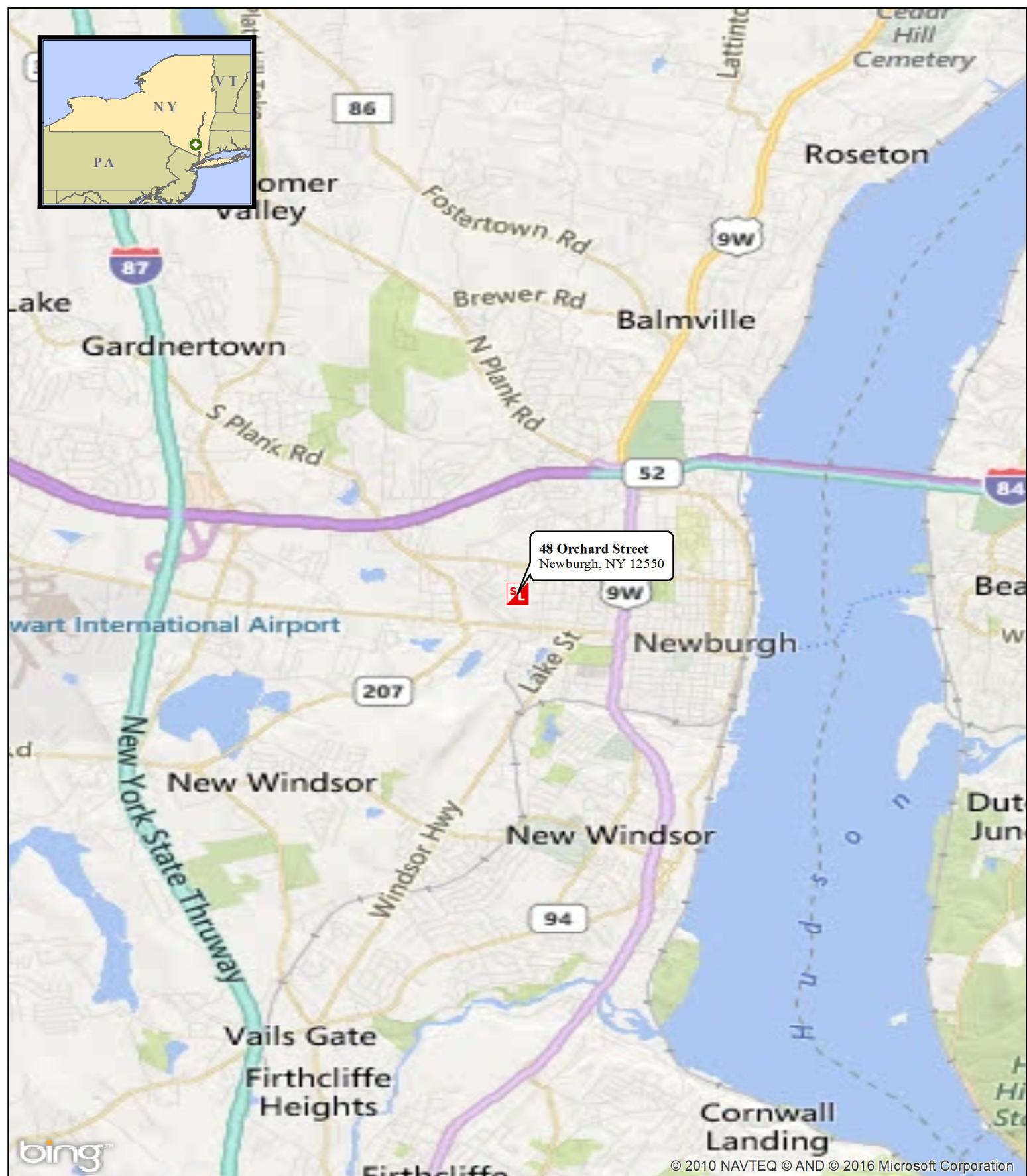
Figure 1: Site Location Map

Figure 2: Areas of Concern Map

Figure 3: Soil Boring Location Map

Figure 4: Soil Analytical Results Map – TCL SVOCs Exceedances

Figure 5: Soil Analytical Results Map – TAL Metals Exceedances



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Legend

Site Location

0 0.35 0.7 1.4 2.1 2.8 Miles



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Federal East Division

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Scientific and Environmental Associates, Inc.,
Environmental Compliance Consultants, Inc.,
Avatar Environmental, LLC, On-Site Environmental,
Inc. and Sovereign Consulting, Inc.

Figure 1:
Site Location Map

48 Orchard Street Site
Newburgh, New York

U.S. ENVIRONMENTAL PROTECTION AGENCY

REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01

DATE MODIFIED: 7/21/2016

GIS ANALYST: T. Benton

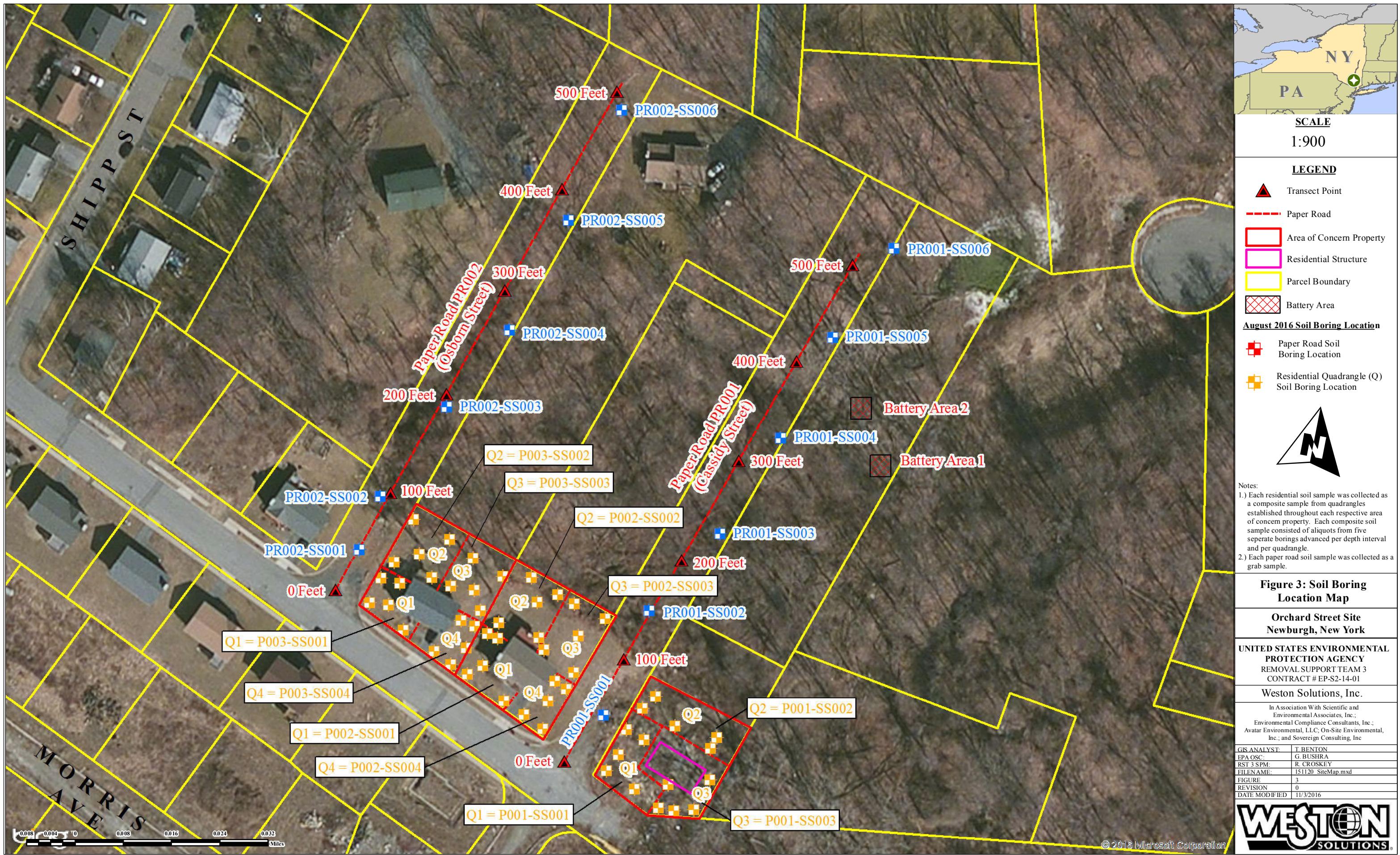
EPA OSC: G. Bushra

RST SPM: R. Croskey

FILENAME: 160721_SITELOCATIONMAP.MXD





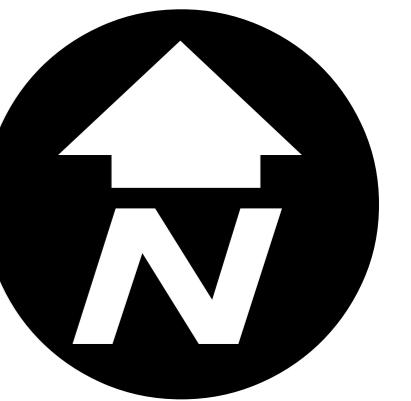




SCALE
1:400

LEGEND

- ▲ Transect Point
- Paper Road/Quadrangle Boundary
- Area of Concern Property
- Residential Structure
- Parcel Layer
- Battery Area
- August 2016 Soil Boring Location
- Paper Road Soil Boring Location
- Residential Quadrangle (Q) Soil Boring Location



Note(s):
 » Each residential soil sample was collected as a composite sample from quadrangles established throughout each respective area of concern property. Each composite soil sample consisted of aliquots from five separate borings advanced per vertical interval and per quadrangle.
 » Each paper road soil sample was collected as a grab sample.
 » All sample depths are noted in parentheses and are reported in inches below ground surface.
 » All analytical results reported in micrograms per kilogram ($\mu\text{G}/\text{KG}$).
 » All exceedances of the EPA RMLs and the non-exceedances that document the vertical clean depth for those substances are depicted.
 » EPA RMLs for Residential Soil: Benzo(a)pyrene 1,600 $\mu\text{G}/\text{KG}$; and Dibenzo(a)anthracene - 1,600 $\mu\text{G}/\text{KG}$.
 » The vertical delineation of sample location PR001-SS004 has not been achieved.

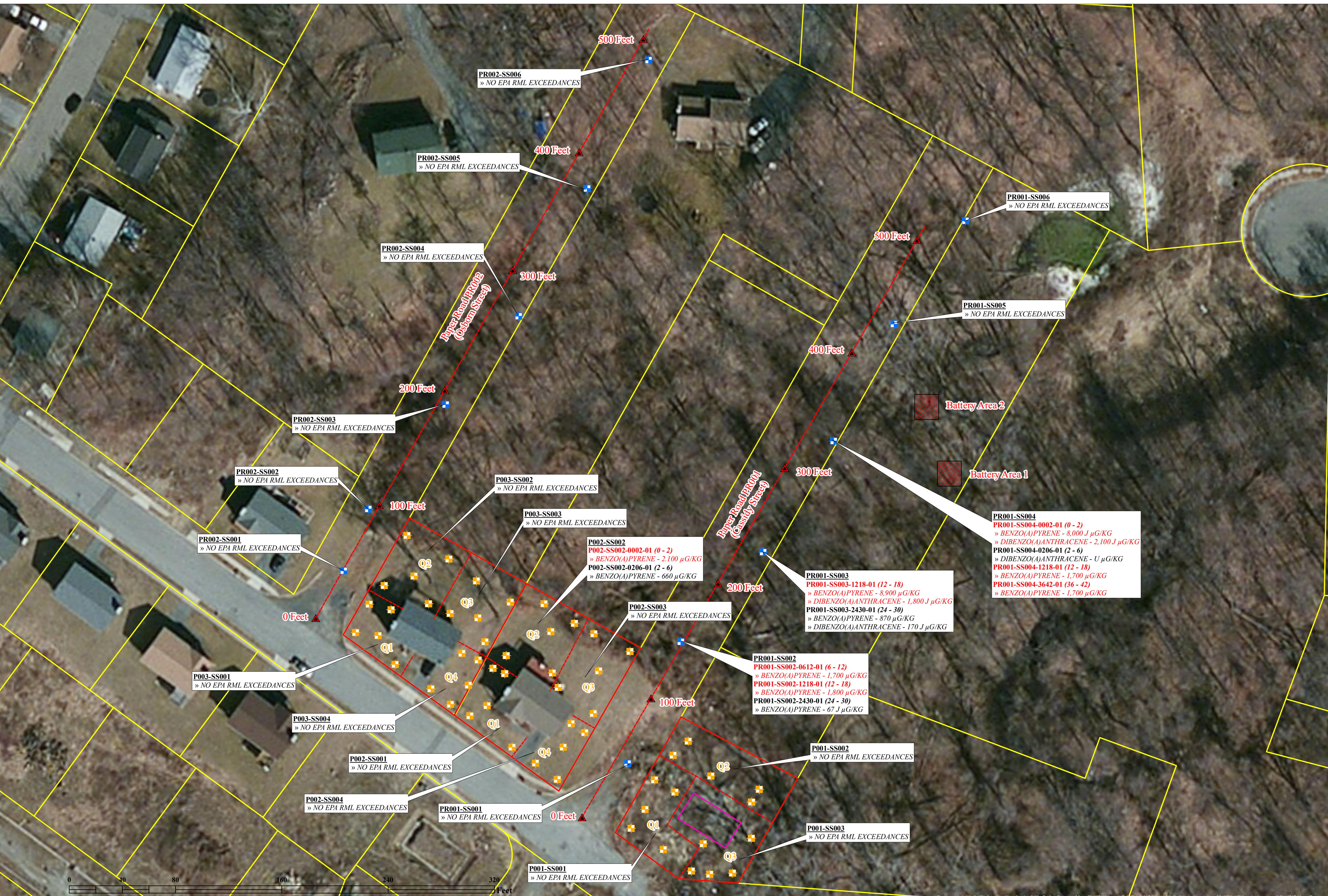
Figure 4: Soil Analytical Results Map - TCL SVOC's Exceedances

ORCHARD STREET SITE
NEWBURGH, NEW YORK

UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY
REMOVAL SUPPORT TEAM 3
CONTRACT # EP-S2-14-01

In Association With
 Scientific and Environmental Associates, Inc.,
 Environmental Compliance Consultants, Inc.,
 Avatar Environmental, LLC, On-Site Environmental,
 Inc., and Sovereign Consulting, Inc.
 GIS ANALYST: T. BENTON
 EPA OSC: G. BUSHLA
 RST SPM: R. CROSKEY
 PROJECT #: 00070045
 FIGURE: 4
 REVISION: 0
 DATE MODIFIED: 11/9/2016

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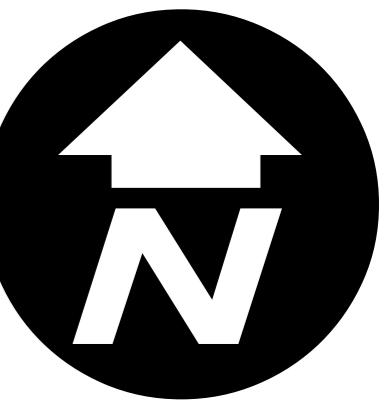
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LEGEND

- ▲ Transect Point
- Paper Road/Quadrangle Boundary
- Area of Concern Property
- Residential Structure
- Parcel Layer
- Battery Area
- Paper Road Soil Boring Location
- Residential Quadrangle (Q) Soil Boring Location

August 2016 Soil Boring Location

▲ Paper Road Soil Boring Location
■ Residential Quadrangle (Q) Soil Boring Location



Note(s):
 » Each residential soil sample was collected as a composite sample from quadrangles established throughout each respective area of concern property. Each composite soil sample consisted of aliquots from five separate borings advanced per depth interval and per quadrangle.
 » Each paper road soil sample was collected as a grab sample.
 » All sample depths are noted in parentheses and are reported in inches below ground surface.
 » All analytical results reported in milligrams per kilogram (MG/KG).
 » All exceedances of the EPA RMLs and the non-exceedances that document the vertical clean depth for those substances are depicted.
 » EPA RMLs for Residential Soil: Antimony - .31 MG/KG; Cadmium - .71 MG/KG; Iron - .55,000 MG/KG; and Lead - .400 MG/KG.
 » The vertical delineation of sample locations PR001-SS004, P001-SS002, and P003-SS001 has not been achieved.

Figure 5: Soil Analytical Results Map - TAL Metals Exceedances

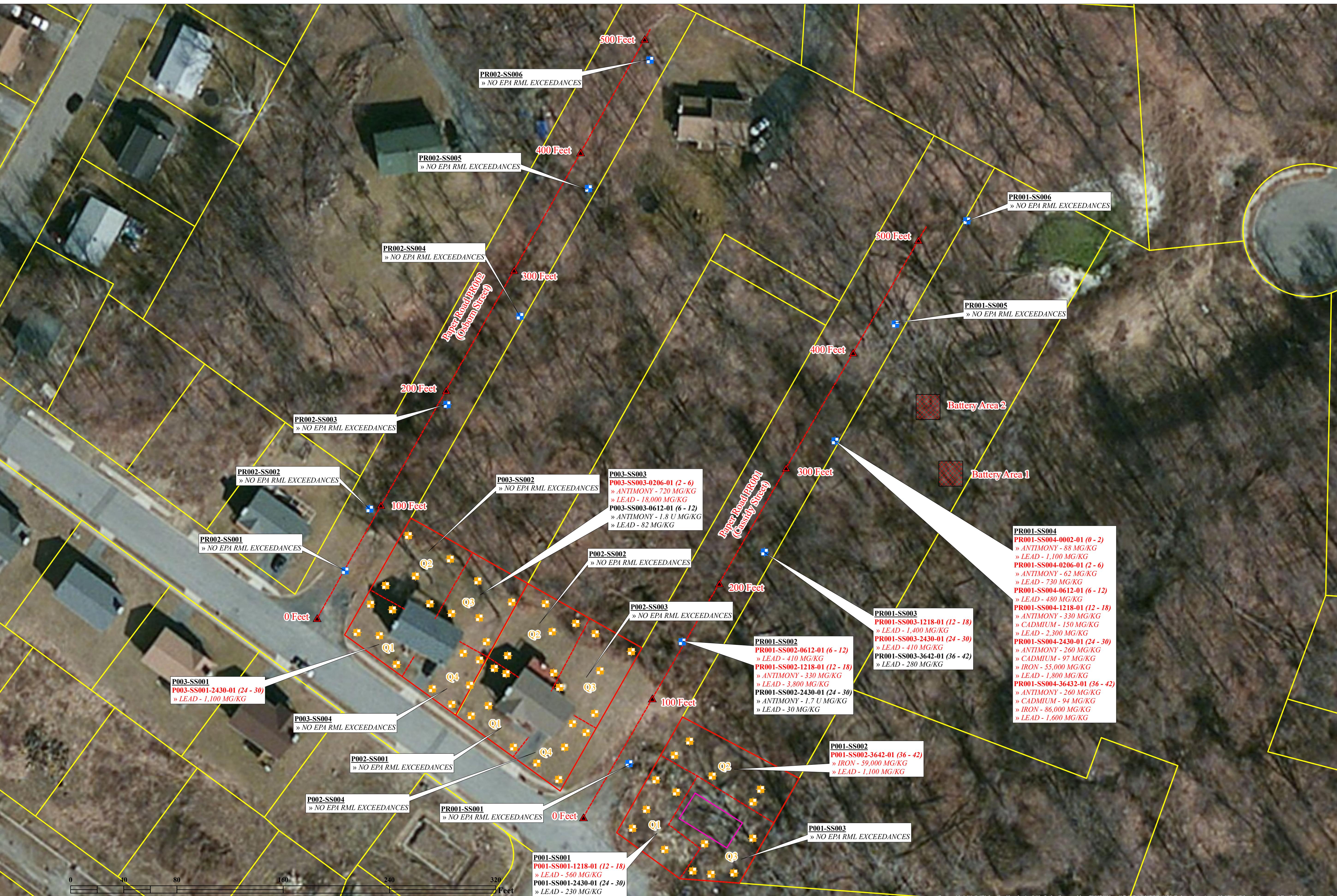
ORCHARD STREET SITE
NEWBURGH, NEW YORK

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Avatar Environmental, LLC, On-Site Environmental,
Inc., and Sovereign Consulting, Inc.

GIS ANALYST: T. BENTON
EPA OSC: G. BUSHLA
RST SPM: R. CROSKEY
PROJECT #: 00070045
FIGURE: 5
REVISION: 0
DATE MODIFIED: 11/9/2016

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ATTACHMENT B

Table 1: Sample Collection Summary Table

Table 2A: Paper Road PR001 Field Screening Results Summary Table

Table 2B: Paper Road PR002 Field Screening Results Summary Table

Table 2C: Property P001 Field Screening Results Summary Table

Table 2D: Property P002 Field Screening Results Summary Table

Table 2E: Property P003 Field Screening Results Summary Table

Table 3A: Paper Road PR001 Validated Soil Analytical Results Summary Table – TCL SVOCs

Table 3B: Paper Road PR002 Validated Soil Analytical Results Summary Table – TCL SVOCs

Table 3C: Property P001 Validated Soil Analytical Results Summary Table – TCL SVOCs

Table 3D: Property P002 Validated Soil Analytical Results Summary Table – TCL SVOCs

Table 3E: Property P003 Validated Soil Analytical Results Summary Table – TCL SVOCs

Table 4A: Paper Road PR001 Validated Soil Analytical Results Summary Table – TAL Metals

Table 4B: Paper Road PR002 Validated Soil Analytical Results Summary Table – TAL Metals

Table 4C: Property P001 Validated Soil Analytical Results Summary Table – TAL Metals

Table 4D: Property P002 Validated Soil Analytical Results Summary Table – TAL Metals

Table 4E: Property P003 Validated Soil Analytical Results Summary Table – TAL Metals

Table 1: Sample Collection Summary Table
Orchard Street Site
Newburgh, Orange County, New York
August 1 through 4, 2016

Sample Location	RST 3 Sample Number	Sample Date	Sample Time	Matrix	Sample Type	Analyses
PR001-SS001	PR001-SS001-0002-01	8/1/2016	8:56	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS001-0206-01	8/1/2016	9:01	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS001-0612-01	8/1/2016	9:16	Soil	Field Sample	SVOCss and TAL Metals
PR001-SS002	PR001-SS002-0002-01	8/1/2016	13:00	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS002-0206-01	8/1/2016	13:03	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS002-0612-01	8/1/2016	13:07	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS002-1218-01	8/1/2016	13:12	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS002-2430-01	8/1/2016	13:20	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS002-3642-01	8/1/2016	13:25	Soil	Field Sample	SVOCss and TAL Metals
PR001-SS003	PR001-SS003-0002-01	8/1/2016	13:49	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS003-0206-01	8/1/2016	13:52	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS003-0206-02	8/1/2016	13:52	Soil	Field Duplicate	SVOCss and TAL Metals
	PR001-SS003-0612-01	8/1/2016	13:57	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS003-1218-01	8/1/2016	14:03	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS003-2430-01	8/1/2016	14:04	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS003-3642-01	8/1/2016	14:08	Soil	Field Sample	SVOCss and TAL Metals
PR001-SS004	PR001-SS004-0002-01	8/1/2016	14:45	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS004-0206-01	8/1/2016	14:47	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS004-0612-01	8/1/2016	15:01	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS004-1218-01	8/1/2016	15:11	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS004-2430-01	8/1/2016	15:15	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS004-3642-01	8/1/2016	15:25	Soil	Field Sample	SVOCss and TAL Metals
PR001-SS005	PR001-SS005-0002-02	8/1/2016	15:30	Soil	Field Duplicate	SVOCss and TAL Metals
	PR001-SS005-0002-01	8/1/2016	15:30	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS005-0206-01	8/1/2016	15:31	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS005-0612-01	8/1/2016	15:36	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS005-1218-01	8/1/2016	16:00	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS005-2430-01	8/1/2016	17:10	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS005-3642-01	8/1/2016	17:15	Soil	Field Sample	SVOCss and TAL Metals
PR001-SS006	PR001-SS006-0002-01	8/1/2016	17:32	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS006-0206-01	8/1/2016	17:44	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS006-0612-01	8/1/2016	17:51	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS006-1218-01	8/1/2016	17:53	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS006-2430-01	8/1/2016	17:57	Soil	Field Sample	SVOCss and TAL Metals
	PR001-SS006-3642-01	8/1/2016	17:59	Soil	Field Sample	SVOCss and TAL Metals
NA	RB-20160801	8/1/2016	18:30	Aqueous	Rinsate Blank	SVOCss and TAL Metals
PR002-SS006	PR002-SS006-0002-01	8/2/2016	11:10	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS006-0206-01	8/2/2016	11:11	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS006-0612-01	8/2/2016	11:14	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS006-1218-01	8/2/2016	11:17	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS006-2430-01	8/2/2016	11:34	Soil	Field Sample	SVOCss and TAL Metals
PR002-SS005	PR002-SS005-0002-01	8/2/2016	11:51	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS005-0206-01	8/2/2016	11:55	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS005-0612-01	8/2/2016	11:58	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS005-1218-01	8/2/2016	12:09	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS005-2430-01	8/2/2016	12:30	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS005-3642-01	8/2/2016	12:32	Soil	Field Sample	SVOCss and TAL Metals
PR002-SS004	PR002-SS004-0002-01	8/2/2016	13:45	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS004-0206-01	8/2/2016	13:50	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS004-0612-01	8/2/2016	13:58	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS004-1218-01	8/2/2016	14:06	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS004-2430-01	8/2/2016	14:12	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS004-3642-01	8/2/2016	14:21	Soil	Field Sample	SVOCss and TAL Metals
PR002-SS003	PR002-SS003-0002-01	8/2/2016	14:44	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS003-0206-02	8/2/2016	14:46	Soil	Field Duplicate	SVOCss and TAL Metals
	PR002-SS003-0206-01	8/2/2016	14:46	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS003-0612-1	8/2/2016	14:51	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS003-1218-01	8/2/2016	14:53	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS003-2430-01	8/2/2016	14:54	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS003-3642-01	8/2/2016	14:56	Soil	Field Sample	SVOCss and TAL Metals
PR002-SS002	PR002-SS002-0002-01	8/2/2016	15:19	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS002-0206-01	8/2/2016	15:21	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS002-0612-01	8/2/2016	15:24	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS002-1218-01	8/2/2016	15:25	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS002-2430-01	8/2/2016	15:42	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS002-3642-01	8/2/2016	15:48	Soil	Field Sample	SVOCss and TAL Metals

Notes:

RST 3 - Removal Support Team 3

SVOCs - Semivolatile Organic Compounds

TAL - Target Analyte List

NA - Not applicable

Table 1: Sample Collection Summary Table
Orchard Street Site
Newburgh, Orange County, New York
August 1 through 4, 2016

Sample Location	RST 3 Sample Number	Sample Date	Sample Time	Matrix	Sample Type	Analyses
PR002-SS001	PR002-SS001-0002-01	8/2/2016	16:14	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS001-0206-01	8/2/2016	16:16	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS001-0612-01	8/2/2016	16:26	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS001-1218-01	8/2/2016	16:30	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS001-2430-01	8/2/2016	16:34	Soil	Field Sample	SVOCss and TAL Metals
	PR002-SS001-2430-02	8/2/2016	16:34	Soil	Field Duplicate	SVOCss and TAL Metals
	PR002-SS001-3642-01	8/2/2016	16:42	Soil	Field Sample	SVOCss and TAL Metals
NA	RB-20160802	8/2/2016	18:00	Aqueous	Rinsate Blank	SVOCss and TAL Metals
P001-SS001	P001-SS001-0002-01	8/3/2016	8:19	Soil	Field Sample	SVOCss and TAL Metals
	P001-SS001-0206-01	8/3/2016	8:43	Soil	Field Sample	SVOCss and TAL Metals
	P001-SS001-0612-01	8/3/2016	9:00	Soil	Field Sample	SVOCss and TAL Metals
	P001-SS001-1218-01	8/3/2016	9:30	Soil	Field Sample	SVOCss and TAL Metals
	P001-SS001-2430-01	8/3/2016	10:12	Soil	Field Sample	SVOCss and TAL Metals
P001-SS002	P001-SS002-0002-01	8/3/2016	10:35	Soil	Field Sample	SVOCss and TAL Metals
	P001-SS002-0206-01	8/3/2016	10:52	Soil	Field Sample	SVOCss and TAL Metals
	P001-SS002-0612-01	8/3/2016	11:00	Soil	Field Sample	SVOCss and TAL Metals
	P001-SS002-1218-01	8/3/2016	11:30	Soil	Field Sample	SVOCss and TAL Metals
	P001-SS002-2430-01	8/3/2016	11:50	Soil	Field Sample	SVOCss and TAL Metals
	P001-SS002-3642-01	8/3/2016	12:05	Soil	Field Sample	SVOCss and TAL Metals
P001-SS003	P001-SS003-0002-01	8/3/2016	12:29	Soil	Field Sample	SVOCss and TAL Metals
	P001-SS003-0206-01	8/3/2016	12:35	Soil	Field Sample	SVOCss and TAL Metals
	P001-SS003-0612-01	8/3/2016	13:03	Soil	Field Sample	SVOCss and TAL Metals
	P001-SS003-1218-01	8/3/2016	13:41	Soil	Field Sample	SVOCss and TAL Metals
P002-SS001	P002-SS001-0002-01	8/3/2016	16:40	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS001-0206-01	8/3/2016	16:43	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS001-0612-02	8/3/2016	16:48	Soil	Field Duplicate	SVOCss and TAL Metals
	P002-SS001-0612-01	8/3/2016	16:48	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS001-1218-01	8/3/2016	16:57	Soil	Field Sample	SVOCss and TAL Metals
NA	RB-20160803	8/3/2016	18:30	Aqueous	Rinsate Blank	SVOCss and TAL Metals
P002-SS002	P002-SS002-0002-01	8/4/2016	7:35	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS002-0206-01	8/4/2016	7:46	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS002-0612-01	8/4/2016	7:59	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS002-1218-01	8/4/2016	8:13	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS002-2430-01	8/4/2016	8:23	Soil	Field Sample	SVOCss and TAL Metals
P002-SS003	P002-SS003-0002-01	8/4/2016	8:49	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS003-0206-01	8/4/2016	10:36	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS003-0612-01	8/4/2016	10:40	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS003-1218-01	8/4/2016	10:42	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS003-2430-01	8/4/2016	10:45	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS003-3642-01	8/4/2016	10:53	Soil	Field Sample	SVOCss and TAL Metals
P002-SS004	P002-SS004-0002-01	8/4/2016	11:52	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS004-0206-01	8/4/2016	11:54	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS004-0612-01	8/4/2016	11:56	Soil	Field Sample	SVOCss and TAL Metals
	P002-SS004-1218-01	8/4/2016	11:59	Soil	Field Sample	SVOCss and TAL Metals
P003-SS001	P003-SS001-0002-01	8/4/2016	12:33	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS001-0206-01	8/4/2016	12:41	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS001-0612-01	8/4/2016	12:59	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS001-1218-02	8/4/2016	13:10	Soil	Field Duplicate	SVOCss and TAL Metals
	P003-SS001-1218-01	8/4/2016	13:10	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS001-2430-01	8/4/2016	13:25	Soil	Field Sample	SVOCss and TAL Metals
P003-SS002	P003-SS002-0002-01	8/4/2016	15:05	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS002-0206-01	8/4/2016	15:10	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS002-0612-01	8/4/2016	15:12	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS002-1218-01	8/4/2016	15:18	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS002-2430-01	8/4/2016	15:21	Soil	Field Sample	SVOCss and TAL Metals
P003-SS003	P003-SS002-3642-01	8/4/2016	15:26	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS003-0002-01	8/4/2016	15:48	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS003-0206-01	8/4/2016	15:55	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS003-0612-01	8/4/2016	16:12	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS003-1218-01	8/4/2016	16:32	Soil	Field Sample	SVOCss and TAL Metals
P003-SS004	P003-SS003-2430-01	8/4/2016	16:40	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS004-0002-01	8/4/2016	17:51	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS004-0206-01	8/4/2016	17:53	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS004-0612-01	8/4/2016	17:55	Soil	Field Sample	SVOCss and TAL Metals
	P003-SS004-1218-01	8/4/2016	17:57	Soil	Field Sample	SVOCss and TAL Metals
NA	P003-SS004-2430-01	8/4/2016	18:08	Soil	Field Sample	SVOCss and TAL Metals
	RB-20160804	8/4/2016	18:30	Aqueous	Rinsate Blank	SVOCss and TAL Metals

Notes:

RST 3 - Removal Support Team 3

SVOCs - Semivolatile Organic Compounds

TAL - Target Analyte List

NA - Not applicable

Table 2A: Paper Road PR001 Field Screening Results Summary Table
Orchard Street Site
Newburgh, Orange County, New York
August 1, 2016

Location Number	Depth Interval (inches)	Time Collected	VOC (ppb)	Lead Result (ppm)								Comments
				Result 1	SD 1	Result 2	SD 2	Result 3	SD 3	Result Average	SD Average	
PR001-SS001	0-2	8:15	200	34	7	32	7	34	7	33.33	7.00	
	2-6	9:01	390	35	7	33	7	44	8	37.33	7.33	
	6-12	9:16	590	123	13	63	9	89	11	91.67	11.00	
	12-18	NA	R	R	R	R	R	R	R	R	R	Refusal at 12 inches
	24-30	NA	R	R	R	R	R	R	R	R	R	
	36-42	NA	R	R	R	R	R	R	R	R	R	
PR001-SS002	0-2	13:00	420	68	8	71	8	58	7	65.67	7.67	
	2-6	13:03	800	103	11	102	11	87	10	97.33	10.67	
	6-12	13:07	180	378	20	389	21	458	23	408.33	21.33	
	12-18	13:12	200	588	25	294	18	423	22	435.00	21.67	
	24-30	13:20	210	41	8	31	7	72	9	48.00	8.00	
	36-42	13:25	610	14	5	22	6	19	6	18.33	5.67	
PR001-SS003	0-2	13:49	190	88	11	80	10	93	11	87.00	10.67	
	2-6	13:52	800	55	99	67	9	60	9	60.67	39.00	MS/MSD and duplicate sample
	6-12	13:57	380	45	8	78	10	52	8	58.33	8.67	
	12-18	14:03	660	547	26	1,556	42	1,862	77	1,321.67	48.33	
	24-30	14:04	420	292	19	347	21	424	22	354.33	20.67	
	36-42	14:08	290	125	12	126	11	219	16	156.67	13.00	
PR001-SS004	0-2	14:45	280	644	24	989	32	735	27	789.33	27.67	
	2-6	14:47	400	580	25	488	23	429	21	499.00	23.00	
	6-12	15:01	610	319	18	258	16	226	15	267.67	16.33	
	12-18	15:11	510	1,642	49	1,468	42	1,589	46	1,566.33	45.67	
	24-30	15:15	650	1,001	34	1,073	37	1,172	37	1,082.00	36.00	
	36-42	15:25	220	1,262	39	1,342	45	1,134	37	1,246.00	40.33	
PR001-SS005	0-2	15:30	0	33	6	33	7	31	6	32.33	6.33	MS/MSD and duplicate sample
	2-6	15:31	0	54	8	74	8	51	8	59.67	8.00	
	6-12	15:36	80	22	6	26	6	37	7	28.33	6.33	
	12-18	16:00	110	8	5	11	5	13	5	10.67	5.00	
	24-30	17:10	120	15	6	11	6	15	5	13.67	5.67	
	36-42	17:15	20	20	6	13	5	17	6	16.67	5.67	
PR001-SS006	0-2	17:32	190	38	6	36	6	35	6	36.33	6.00	
	2-6	17:44	140	44	7	66	8	53	7	54.33	7.33	
	6-12	17:51	100	40	7	40	7	26	6	35.33	6.67	
	12-18	17:53	140	20	6	28	6	35	6	27.67	6.00	XRF readings collected at 30 seconds intervals
	24-30	17:57	30	16	8	17	8	24	9	19.00	8.33	XRF readings collected at 30 seconds intervals
	36-42	17:59	90	28	9	28	10	25	9	27.00	9.33	XRF readings collected at 30 seconds intervals

Notes:

ppm = Parts per million

ppb = Parts per billion

NA - Not applicable

R - Refusal

SD - Standard Deviation

MS/MSD - Matrix spike/matrix spike duplicate

U.S. Environmental Protection Agency (EPA) Removal Management Level (RML) for Lead = 400ppm

Value exceeds EPA RML of 400 ppm for lead

Table 2B: Paper Road PR002 Field Screening Results Summary Table
Orchard Street Site
Newburgh, Orange County, New York
August 2, 2016

Location Number	Depth Interval (inches)	Time Collected	VOC (ppb)	Lead Result (ppm)								Comments
				Result 1	SD 1	Result 2	SD 2	Result 3	SD 3	Result Average	SD Average	
PR002-SS006	0-2	11:10	60	39	9	36	9	40	9	38.33	9.00	
	2-6	11:11	50	32	9	32	9	30	9	31.33	9.00	
	6-12	11:14	340	36	10	35	10	22	9	31.00	9.67	
	12-18	11:17	300	19	8	22	9	18	8	19.67	8.33	
	24-30	11:34	260	15	8	12	7	19	9	15.33	8.00	
	36-42	NA	R	R	R	R	R	R	R	R	R	Refusal at 31 inches
PR002-SS005	0-2	11:51	130	23	8	18	8	23	9	21.33	8.33	
	2-6	11:55	240	19	8	18	8	12	7	16.33	7.67	
	6-12	11:58	150	12	7	12	8	20	8	14.67	7.67	
	12-18	12:09	130	13	8	18	9	17	8	16.00	8.33	
	24-30	12:30	410	14	8	12	8	15	8	13.67	8.00	
	36-42	12:32	410	12	8	0	0	15	8	9.00	5.33	
PR002-SS004	0-2	13:45	880	31	8	32	9	32	8	31.67	8.33	
	2-6	13:50	780	21	9	31	9	29	10	27.00	9.33	
	6-12	13:58	830	19	8	27	9	20	8	22.00	8.33	
	12-18	14:06	800	30	10	44	12	24	9	32.67	10.33	MS/MSD sample
	24-30	14:12	550	19	9	22	9	30	10	23.67	9.33	
	36-42	14:21	1060	41	10	47	11	44	11	44.00	10.67	
PR002-SS003	0-2	14:44	770	30	9	27	9	28	9	28.33	9.00	
	2-6	14:46	1480	71	15	27	9	36	10	44.67	11.33	Duplicate sample
	6-12	14:51	640	19	9	19	8	17	8	18.33	8.33	
	12-18	14:53	450	15	8	31	9	21	8	22.33	8.33	
	24-30	14:54	470	29	9	19	8	19	10	22.33	9.00	
	36-42	14:56	1820	24	9	29	10	22	9	25.00	9.33	
PR002-SS002	0-2	15:19	150	44	10	48	10	52	10	48.00	10.00	
	2-6	15:21	410	50	11	72	12	58	12	60.00	11.67	
	6-12	15:24	440	61	12	54	11	92	14	69.00	12.33	
	12-18	15:25	460	36	9	34	7	16	8	28.67	8.00	
	24-30	15:42	1340	18	9	17	8	11	7	15.33	8.00	
	36-42	15:48	380	14	8	16	8	13	8	14.33	8.00	
PR002-SS001	0-2	16:14	10	31	10	32	9	30	10	31.00	9.67	
	2-6	16:16	160	42	11	25	9	38	11	35.00	10.33	
	6-12	16:26	170	38	10	33	10	17	8	29.33	9.33	
	12-18	16:30	200	32	9	26	9	39	11	32.33	9.67	MS/MSD sample
	24-30	16:34	120	14	8	20	9	14	7	16.00	8.00	Duplicate sample
	36-42	16:42	80	14	8	18	8	17	8	16.33	8.00	

Notes:

ppm = Parts per million

ppb = Parts per billion

NA - Not applicable

R - Refusal

SD - Standard Deviation

MS/MSD - Matrix spike/matrix spike duplicate

U.S. Environmental Protection Agency (EPA) Removal Management Level (RML) for Lead = 400ppm

Table 2C: Property P001 Field Screening Results Summary Table

Orchard Street Site

Newburgh, Orange County, New York

August 3, 2016

Location Number	Depth Interval (inches)	Time Collected	VOC (ppb)	Lead Result (ppm)								Lithology	Comments
				Result 1	SD 1	Result 2	SD 2	Result 3	SD 3	Result Average	SD Average		
P001-SS001	0-2	8:19	0	17	9	30	10	24	9	23.67	9.33	Light brown SILT with trace fine sand, organics, and gravel	
	2-6	8:43	0	37	10	79	14	68	14	61.33	12.67	Light brown SILT with trace fine sand, organics, and gravel	
	6-12	9:00	0	44	11	171	20	34	11	83.00	14.00	Light brown SILT with trace fine sand, organics, and gravel	
	12-18	9:30	40	137	18	171	20	158	21	155.33	19.67	Light brown SILT with trace fine sand and gravel	
	24-30	10:12	0	417	32	189	21	181	63	262.33	38.67	brown SILT with trace sand, gravel, and fill	
	36-42	NA	R	R	R	R	R	R	R	R	R	Refusal	Refusal at all 5 locations
P001-SS002	0-2	10:35	0	0	0	0	0	16	9	5.33	3.00	Light brown SILT with trace sand, organics, and gravel	
	2-6	10:52	140	23	11	0	0	14	8	12.33	6.33	Light brown SILT with Some clay, trace fine sand and gravel	
	6-12	11:00	170	0	0	0	0	18	8	6.00	2.67	Light brown SILT with Some clay, trace fine sand, gravel, and fill	
	12-18	11:30	0	26	10	24	9	32	10	27.33	9.67	Light brown SILT with Some clay, trace fine sand, gravel, and fill	
	24-30	11:50	200	0	0	18	9	0	0	6.00	3.00	Light brown SILT with Some gravel, trace ash and fine sand	
	36-42	12:05	40	12	8	23	9	1481	65	505.33	27.33	Dark brown SILT with black Ash, little gravel and fill, trace fine sand	
P001-SS003	0-2	12:29	350	18	8	21	9	81	14	40.00	10.33	brown SILT with trace fine sand, organics, and gravel	
	2-6	12:35	620	38	12	47	12	17	9	34.00	11.00	brown SILT with little gravel, trace fine sand and organics	
	6-12	13:03	390	25	9	56	12	20	9	33.67	10.00	brown SILT with little gravel and fill	
	12-18	13:41	270	19	10	17	11	0	0	12.00	7.00	brown SILT with little gravel and fill	
	24-30	NA	R	R	R	R	R	R	R	R	R	Refusal	Refusal at all 5 locations
	36-42	NA	R	R	R	R	R	R	R	R	R	Refusal	Refusal at all 5 locations

Notes:

ppm = Parts per million

ppb = Parts per billion

NA - Not applicable

R - Refusal

SD - Standard Deviation

U.S. Environmental Protection Agency (EPA) Removal Management Level (RML) for Lead = 400ppm

Value exceeds EPA RML of 400 ppm for lead

Table 2D: Property P002 Field Screening Results Summary Table
Orchard Street Site
Newburgh, Orange County, New York
August 3 and 4, 2016

Location Number	Depth Interval (inches)	Time Collected	VOC (ppb)	Lead Result (ppm)								Lithology	Comments
				Result 1	SD 1	Result 2	SD 2	Result 3	SD 3	Result Average	SD Average		
P002-SS001	0-2	16:40	90	88	15	541	38	35	10	221.33	21.00	Brown SILT with trace fine sand, organics, and gravel	
	2-6	16:43	70	48	12	86	14	88	15	74.00	13.67	Brown SILT with trace fine sand, organics, and gravel	
	6-12	16:48	90	35	10	53	12	43	11	43.67	11.00	Brown SILT with trace fine sand and gravel	Duplicate Sample
	12-18	16:57	80	96	16	98	16	55	12	83.00	14.67	Brown SILT with trace fine sand, ash, and gravel	MS/MSD
	24-30	NA	R	R	R	R	R	R	R			Refusal	Refusal at all 5 locations
	36-42	NA	R	R	R	R	R	R	R			Refusal	
P002-SS002	0-2	7:35	240	103	16	162	19	73	13	112.67	16.00	Brown SILT with trace fine sand, organics, and gravel	
	2-6	7:46	0	85	14	86	15	135	19	102.00	16.00	Brown SILT with trace fine sand, organics, and gravel	
	6-12	7:59	70	92	16	619	37	179	20	296.67	24.33	Brown SILT with trace fine sand, organics, and gravel	
	12-18	8:13	40	488	34	431	31	14,900	200	5,273.00	88.33	Brown SILT with little fill (glass), trace fine sand and gravel	
	24-30	8:28	30	39	10	27	9	31	10	32.33	9.67	Brown SILT with trace fine sand and gravel	
	36-42	8:49	210	19	9	34	10	128	17	60.33	12.00	Brown SILT with little gravel and trace fine sand and fill	
P002-SS003	0-2	10:36	120	82	14	65	13	65	13	70.67	13.33	Brown SILT with trace fine sand, organics, and gravel	
	2-6	10:40	60	905	52	202	22	79	14	395.33	29.33	Brown SILT with trace fine sand, organics, and gravel	
	6-12	10:42	340	294	26	334	30	1,007	50	545.00	35.33	Brown SILT with trace fine sand, organics, gravel, and fill (glass)	
	12-18	10:45	140	75	14	872	47	133	18	360.00	26.33	Brown SILT with little fill (glass), trace fine sand, organics, gravel	
	24-30	10:50	50	139	18	90	18	758	43	329.00	26.33	Brown SILT with little fill (glass), trace fine sand, organics, gravel	
	36-42	10:53	250	100	14	145	18	106	15	117.00	15.67	Brown SILT with trace fine sand, organics, and gravel	
P002-SS004	0-2	11:52	100	41	11	45	11	33	9	39.67	10.33	Brown SILT with trace fine sand, organics, and gravel	
	2-6	11:54	70	42	11	47	12	37	12	42.00	11.67	Brown SILT with trace fine sand, organics, and gravel	
	6-12	11:56	270	40	12	30	12	36	11	35.33	11.67	Brown SILT with little gravel, trace fine sand and organics	
	12-18	11:59	90	81	14	46	13	38	11	55.00	12.67	Brown SILT with little gravel, trace fine sand and organics	
	24-30	NA	R	R	R	R	R	R	R			Refusal	Refusal at all 5 locations
	36-42	NA	R	R	R	R	R	R	R			Refusal	

Notes:

ppm = Parts per million

ppb = Parts per billion

NA - Not applicable

R - Refusal

SD - Standard Deviation

MS/MSD - Matrix spike/matrix spike duplicate

U.S. Environmental Protection Agency (EPA) Removal Management Level (RML) for Lead = 400ppm

Value exceeds EPA RML of 400 ppm for lead

Table 2E: Property P003 Field Screening Results Summary Table
Orchard Street Site
Newburgh, Orange County, New York
August 4, 2016

Location Number	Depth Interval (inches)	Time Collected	VOC (ppb)	Lead Result (ppm)								Lithology	Comments
				Result 1	SD 1	Result 2	SD 2	Result 3	SD 3	Result Average	SD Average		
P003-SS001	0-2	12:33	50	51	11	36	10	43	11	43.33	10.67	Brown SILT with Trace fine sand, organics, and gravel	
	2-6	12:41	270	40	12	43	11	35	12	39.33	11.67	Brown SILT with Little gravel, Trace fine sand and organics	
	6-12	12:59	240	21	8	155	20	71	14	82.33	14.00	Brown SILT with Little gravel, Trace fine sand and organics	
	12-18	13:10	470	34	11	42	11	41	12	39.00	11.33	Brown SILT with Little gravel, Trace fine sand and organics	MS/MSD and Duplicate
	24-30	13:25	490	19	8	22	9	15	9	18.67	8.67	Brown SILT with Little gravel, Trace fine sand and organics	
	36-42	NA	R	R	R	R	R	R	R			Refusal	Refusal at all 5 locations
P003-SS002	0-2	15:05	330	54	12	109	17	96	16	86.33	15.00	Brown SILT with Trace fine sand, organics, and gravel	
	2-6	15:10	140	68	14	285	12	118	16	157.00	14.00	Brown SILT with Trace fine sand, organics, and gravel	
	6-12	15:12	300	90	15	52	12	202	21	114.67	16.00	Brown SILT with Trace fine sand, organics, and gravel	
	12-18	15:18	240	86	14	22	9	28	9	45.33	10.67	Brown SILT with Some gravel, Trace fine sand and organics	
	24-30	15:21	310	25	10	16	8	29	9	23.33	9.00	Brown SILT with Trace fine sand and gravel	
	36-42	15:26	490	17	10	14	8	19	8	16.67	8.67	Brown SILT with Trace fine sand and gravel	
P003-SS003	0-2	15:48	190	91	15	162	19	93	14	115.33	16.00	Brown SILT with Trace fine sand, organics, and gravel	
	2-6	15:55	340	182	20	71	14	98	15	117.00	16.33	Brown SILT with Trace fine sand, organics, and gravel	
	6-12	16:12	80	144	18	136	18	99	15	126.33	17.00	Brown SILT with Trace fine sand, organics, gravel, and fill (wood chips)	
	12-18	16:32	260	45	13	121	17	64	12	76.67	14.00	Brown SILT with Little gravel, and Trace fine sand	
	24-30	16:40	610	34	13	34	12	45	11	37.67	12.00	Brown SILT with Little gravel, and Trace fine sand	
	36-42	NA	R	R	R	R	R	R	R			Refusal	Refusal at all 5 locations
P003-SS004	0-2	17:51	210	47	11	38	10	53	12	46.00	11.00	Brown SILT with Trace fine sand, organics, and gravel	
	2-6	17:53	50	27	10	23	9	13	8	21.00	9.00	Brown SILT with Trace fine sand, organics, and gravel	
	6-12	17:55	200	17	8	0	0	16	9	11.00	5.67	Brown SILT with Trace fine sand, organics, and gravel	
	12-18	17:57	150	15	8	20	8	22	9	19.00	8.33	Brown SILT with Some gravel, Trace fine sand and organics	
	24-30	18:08	830	15	8	15	8	21	9	17.00	8.33	Brown SILT with Some gravel, Trace fine sand and organics	
	36-42	NA	R	R	R	R	R	R	R			Refusal	Refusal at all 5 locations

Notes:

ppm = Parts per million

ppb = Parts per billion

NA - Not applicable

R - Refusal

SD - Standard Deviation

MS/MSD - Matrix spike/matrix spike duplicate

U.S. Environmental Protection Agency (EPA) Removal Management Level (RML) for Lead = 400ppm

Table 3A: Paper Road PR001 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 1, 2016

RST 3 Sample No.	PR001-SS001-0002-01	PR001-SS001-0206-01	PR001-SS001-0612-01	PR001-SS002-0002-01	PR001-SS002-0206-01	PR001-SS002-0612-01	PR001-SS002-1218-01	PR001-SS002-2430-01	PR001-SS002-3642-01	PR001-SS003-0002-01
Sample Date	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/2/2016	8/1/2016
Sample Depth (in.)	0-2	2-6	6-12	0-2	2-6	6-12	12-18	24-30	36-42	0-2
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
TCL SVOC	¹ EPA RML	² NYSDEC RRUSCO								
1,4-Dioxane	NS	NS	UJ	U	UJ	U	U	UJ	UJ	UJ
Benzaldehyde	23,000,000	NS	U	U	U	U	U	U	U	U
Phenol	NS	100,000	U	U	U	U	U	U	U	U
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U	U	U	U	U
2-Chlorophenol	1,200,000	NS	U	U	U	U	U	U	U	U
2-Methylphenol	9,500,000	100,000	U	U	U	U	U	U	U	U
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U	U	U	U	U
Acetophenone	23,000,000	NS	U	U	U	U	U	U	U	U
4-Methylphenol	19,000,000	100,000	U	U	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U	U	U	U	U
Hexachloroethane	130,000	NS	U	U	U	U	U	U	U	U
Nitrobenzene	380,000	NS	U	U	U	U	U	U	U	U
Isophorone	38,000,000	NS	U	U	U	U	U	U	U	U
2-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U	U	U	U	U
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U	U	U	U	U
2,4-Dichlorophenol	570,000	NS	U	U	U	U	U	U	U	U
Naphthalene	380,000	100,000	U	U	U	U	U	U	U	U
4-Chloroaniline	270,000	NS	U	U	U	U	U	U	U	U
Hexachlorobutadiene	120,000	NS	U	U	U	U	U	U	U	U
Caprolactam	94,000,000	NS	U	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U	U	U	U	U
2-Methylnaphthalene	720,000	NS	U	U	U	U	U	U	U	U
Hexachlorocyclopentadiene	5,300	NS	U	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U	U	U	U	U
1,1-Biphenyl	140,000	NS	U	U	U	U	U	U	U	U
2-Chloronaphthalene	14,000,000	NS	U	U	U	U	U	U	U	U
2-Nitroaniline	1,900,000	NS	U	U	U	U	U	U	U	U
Dimethylphthalate	NS	NS	600	710	340 J	530	550	470 J	470 J	470
2,6-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U
Acenaphthylene	NS	100,000	U	U	110 J	U	U	390 J	470 J	U
3-Nitroaniline	NS	NS	U	U	U	U	U	U	U	U
Acenaphthene	11,000,000	100,000	U	U	U	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3A: Paper Road PR001 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 1, 2016

RST 3 Sample No.	PR001-SS001-0002-01	PR001-SS001-0206-01	PR001-SS001-0612-01	PR001-SS002-0002-01	PR001-SS002-0206-01	PR001-SS002-0612-01	PR001-SS002-1218-01	PR001-SS002-2430-01	PR001-SS002-3642-01	PR001-SS003-0002-01	
Sample Date	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/2/2016	8/1/2016	
Sample Depth (in.)	0-2	2-6	6-12	0-2	2-6	6-12	12-18	24-30	36-42	0-2	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
SVOC	¹ EPA RML	² NYSDEC RRUSCO									
2,4-Dinitrophenol	380,000	NS	U	U	U	U	U	U	U	U	
4-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U	
Dibenzofuran	NS	NS	U	U	U	U	U	U	U	U	
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U	
Diethylphthalate	150,000,000	NS	U	U	U	U	U	U	U	U	
Fluorene	7,200,000	100,000	U	U	U	U	U	250 J	U	U	
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U	
4-Nitroaniline	760,000	NS	U	U	U	U	U	U	U	U	
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U	U	U	U	U	J	
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U	U	U	U	U	U	
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	U	U	U	U	
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U	
Hexachlorobenzene	21,000	NS	U	U	U	U	U	U	U	U	
Atrazine	240,000	NS	U	U	U	U	U	U	U	U	
Pentachlorophenol	100,000	6,700	U	U	U	U	U	U	U	U	
Phenanthrene	NS	100,000	260	U	570	170 J	260	2,000	3,000	92 J	
Anthracene	54,000,000	100,000	U	U	U	410 U	290 J	310 J	U	U	
Carbazole	NS	NS	U	U	U	U	U	U	U	U	
Di-n-butylphthalate	19,000,000	NS	U	U	560	U	U	U	U	U	
Fluoranthene	7,200,000	100,000	230 J	48 J	810 J	330	410 J	3,000 J	3,600 J	150 J	
Pyrene	5,400,000	100,000	300	57 J	960	320	410	3,500	4,100	150 J	
Butylbenzylphthalate	29,000,000	NS	U	U	U	U	U	U	U	U	
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	U	U	U	U	
Benzo(a)anthracene	16,000	1,000	120 J	U	500	140 J	190 J	1,800	2,000	70 J	
Chrysene	1,600,000	3,900	150 J	U	630	180 J	230	2,200	2,600	92 J	
Bis(2-ethylhexyl)phthalate	3,800,000	NS	U	U	3,300	U	130 J	U	U	U	
Di-n-octyl phthalate	1,900,000	NS	U	U	120 J	U	U	U	U	U	
Benzo(b)fluoranthene	16,000	1,000	95 J	U	500	170 J	200 J	1,900	2,100	80 J	
Benzo(k)fluoranthene	160,000	3,900	U	U	U	68 J	67 J	640 J	550 J	U	
Benzo(a)pyrene	1,600	1,000	85 J	U	450	130 J	170 J	1,700	1,800	67 J	
Indeno(1,2,3-cd)pyrene	16,000	500	U	U	230 J	72 J	86 J	890 J	930	44 J	
Dibenzo(a,h)anthracene	1,600	330	U	U	100 J	U	U	320 J	U	U	
Benzo(g,h,i)perylene	NS	100,000	49 J	U	270 J	76 J	96 J	1,100	1,300	46 J	
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	U	U	U	U	

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3A: Paper Road PR001 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 1, 2016

RST 3 Sample No.	PR001-SS003-0206-01	PR001-SS003-0206-02	PR001-SS003-0612-01	PR001-SS003-1218-01	PR001-SS003-2430-01	PR001-SS003-3642-01	PR001-SS004-0002-01	PR001-SS004-0206-01	PR001-SS004-0612-01	PR001-SS004-1218-01	
Sample Date	8/2/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	
Sample Depth (in.)	2-6	2-6	6-12	12-18	24-30	36-42	0-2	2-6	6-12	12-18	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
SVOC	¹ EPA RML	² NYSDEC RRUSCO									
1,4-Dioxane	NS	NS	UJ	R	UJ	U	UJ	UJ	UJ	UJ	
Benzaldehyde	23,000,000	NS	U	U	U	U	U	U	U	U	
Phenol	NS	100,000	U	U	U	U	U	U	U	U	
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U	U	U	U	U	
2-Chlorophenol	1,200,000	NS	U	U	U	U	U	U	U	U	
2-Methylphenol	9,500,000	100,000	U	U	U	U	U	U	U	U	
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U	U	U	U	U	
Acetophenone	23,000,000	NS	U	U	U	U	U	U	U	U	
4-Methylphenol	19,000,000	100,000	U	U	U	U	U	U	U	U	
N-Nitroso-di-n-propylamine	7,800	NS	UJ	U	U	U	U	U	U	U	
Hexachloroethane	130,000	NS	U	U	U	U	U	U	U	U	
Nitrobenzene	380,000	NS	U	U	U	U	U	U	U	U	
Isophorone	38,000,000	NS	U	U	U	U	U	U	U	U	
2-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U	
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U	U	U	U	U	
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U	U	U	U	U	
2,4-Dichlorophenol	570,000	NS	U	U	U	U	U	U	U	U	
Naphthalene	380,000	100,000	U	U	U	5,000	U	U	U	280 J	
4-Chloroaniline	270,000	NS	U	U	U	U	U	U	U	U	
Hexachlorobutadiene	120,000	NS	U	U	U	U	U	U	U	U	
Caprolactam	94,000,000	NS	U	U	U	U	U	U	U	U	
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U	U	U	U	U	
2-Methylnaphthalene	720,000	NS	U	U	U	1,500 J	U	U	U	U	
Hexachlorocyclopentadiene	5,300	NS	U	U	U	U	U	U	U	U	
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U	U	U	U	U	
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U	U	U	U	U	
1,1-Biphenyl	140,000	NS	U	U	U	U	U	U	U	U	
2-Chloronaphthalene	14,000,000	NS	U	U	U	U	U	U	U	U	
2-Nitroaniline	1,900,000	NS	U	U	U	U	U	U	U	U	
Dimethylphthalate	NS	NS	330	310	230 J	U	280 J	260	15,000	270 J	
2,6-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U	
Acenaphthylene	NS	100,000	U	U	U	U	U	U	100 J	U	
3-Nitroaniline	NS	NS	U	U	U	U	U	U	U	U	
Acenaphthene	11,000,000	100,000	U	U	U	3,300 J	U	U	U	94 J	
										280 J	

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3A: Paper Road PR001 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 1, 2016

RST 3 Sample No.	PR001-SS003-0206-01	PR001-SS003-0206-02	PR001-SS003-0612-01	PR001-SS003-1218-01	PR001-SS003-2430-01	PR001-SS003-3642-01	PR001-SS004-0002-01	PR001-SS004-0206-01	PR001-SS004-0612-01	PR001-SS004-1218-01	
Sample Date	8/2/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	
Sample Depth (in.)	2-6	2-6	6-12	12-18	24-30	36-42	0-2	2-6	6-12	12-18	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
SVOC	¹ EPA RML	² NYSDEC RRUSCO									
2,4-Dinitrophenol	380,000	NS	U	U	U	U	U	U	U	U	
4-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U	
Dibenzofuran	NS	NS	U	U	U	2,200 J	U	U	U	U	
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U	
Diethylphthalate	150,000,000	NS	U	U	U	U	U	U	U	U	
Fluorene	7,200,000	100,000	U	U	U	3,200 J	190 J	U	U	100 J	
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U	
4-Nitroaniline	760,000	NS	U	U	U	U	U	U	U	U	
4,6-Dinitro-2-methylphenol	15,000	NS	U	J	J	U	U	U	U	U	
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U	U	U	U	U	U	
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	U	U	U	U	
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U	
Hexachlorobenzene	21,000	NS	U	U	U	U	U	U	U	U	
Atrazine	240,000	NS	U	U	U	U	U	U	U	U	
Pentachlorophenol	100,000	6,700	U	U	U	U	U	U	U	U	
Phenanthrene	NS	100,000	67 J	77 J	U	22,000	1,600	360	9,800	1,100	
Anthracene	54,000,000	100,000	U	U	4,000 J	390 J	64 J	U	U	240 J	
Carbazole	NS	NS	U	U	U	3,100 J	190 J	U	U	100 J	
Di-n-butylphthalate	19,000,000	NS	U	U	U	U	U	2,500 J	U	420 J	
Fluoranthene	7,200,000	100,000	150 J	140 J	78 J	24,000 J	2,000 J	660 J	23,000 J	1,800 J	
Pyrene	5,400,000	100,000	140 J	160 J	88 J	18,000	1,600	570	18,000	2,100	
Butylbenzylphthalate	29,000,000	NS	U	U	U	U	U	U	U	U	
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	U	U	U	U	
Benzo(a)anthracene	16,000	1,000	73 J	65 J	U	11,000	1,000	360	7,200 J	1,200	
Chrysene	1,600,000	3,900	93 J	89 J	U	12,000	1,100	420	13,000	1,400	
Bis(2-ethylhexyl)phthalate	3,800,000	NS	U	54 J	100 J	1,900 J	U	U	44,000	49,000	
Di-n-octyl phthalate	1,900,000	NS	U	U	U	U	U	3,600 J	440 J	140 J	
Benzo(b)fluoranthene	16,000	1,000	110 J	100 J	U	12,000	1,100	420	15,000	1,200	
Benzo(k)fluoranthene	160,000	3,900	U	U	U	5,000	380 J	170 J	5,700 J	440 J	
Benzo(a)pyrene	1,600	1,000	78 J	73 J	U	8,900	870	360	8,000 J	980	
Indeno(1,2,3-cd)pyrene	16,000	500	U	50 J	U	5,000	460 J	170 J	6,100 J	560 J	
Dibenzo(a,h)anthracene	1,600	330	U	U	U	1,800 J	170 J	U	2,100 J	U	
Benzo(g,h,i)perylene	NS	100,000	51 J	65 J	U	5,300	490 J	190 J	5,900 J	640 J	
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	U	U	U	U	

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3A: Paper Road PR001 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 1, 2016

RST 3 Sample No.	PR001-SS004-2430-01	PR001-SS004-3642-01	PR001-SS005-0002-01	PR001-SS005-0002-02	PR001-SS005-0206-01	PR001-SS005-0612-01	PR001-SS005-1218-01	PR001-SS005-2430-01	PR001-SS005-3642-01	PR001-SS006-0002-01
Sample Date	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016
Sample Depth (in.)	24-30	36-42	0-2	0-2	2-6	6-12	12-18	24-30	36-42	0-2
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
SVOC	¹ EPA RML	² NYSDEC RRUSCO								
1,4-Dioxane	NS	NS	UJ							
Benzaldehyde	23,000,000	NS	U	U	U	U	U	U	U	U
Phenol	NS	100,000	U	U	U	U	U	U	39 J	43 J
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U	U	U	U	U
2-Chlorophenol	1,200,000	NS	U	U	U	U	U	U	U	U
2-Methylphenol	9,500,000	100,000	U	U	U	U	U	U	U	U
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U	U	U	U	U
Acetophenone	23,000,000	NS	U	U	U	U	U	U	U	U
4-Methylphenol	19,000,000	100,000	U	U	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U	U	U	U	U
Hexachloroethane	130,000	NS	U	U	U	U	U	U	U	U
Nitrobenzene	380,000	NS	U	U	U	U	U	U	U	U
Isophorone	38,000,000	NS	U	U	U	U	U	U	U	U
2-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U	U	U	U	U
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U	U	U	U	U
2,4-Dichlorophenol	570,000	NS	U	U	U	U	U	U	U	U
Naphthalene	380,000	100,000	U	U	U	U	U	U	U	U
4-Chloroaniline	270,000	NS	U	U	U	U	U	U	U	U
Hexachlorobutadiene	120,000	NS	U	U	U	U	U	U	U	U
Caprolactam	94,000,000	NS	U	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U	U	U	U	U
2-Methylnaphthalene	720,000	NS	U	U	U	U	U	U	U	U
Hexachlorocyclopentadiene	5,300	NS	U	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U	U	U	U	U
1,1-Biphenyl	140,000	NS	U	U	U	U	U	U	U	U
2-Chloronaphthalene	14,000,000	NS	U	U	U	U	U	U	U	U
2-Nitroaniline	1,900,000	NS	U	U	U	U	U	U	U	U
Dimethylphthalate	NS	NS	540	480	420 J	1,100 J	1,000	970	1,000	650
2,6-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U
Acenaphthylene	NS	100,000	160 J	150 J	U	U	U	U	U	U
3-Nitroaniline	NS	NS	U	U	U	U	U	U	U	U
Acenaphthene	11,000,000	100,000	U	96 J	U	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3A: Paper Road PR001 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 1, 2016

RST 3 Sample No.	PR001-SS004-2430-01	PR001-SS004-3642-01	PR001-SS005-0002-01	PR001-SS005-0002-02	PR001-SS005-0206-01	PR001-SS005-0612-01	PR001-SS005-1218-01	PR001-SS005-2430-01	PR001-SS005-3642-01	PR001-SS006-0002-01
Sample Date	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016
Sample Depth (in.)	24-30	36-42	0-2	0-2	2-6	6-12	12-18	24-30	36-42	0-2
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
SVOC	¹ EPA RML	² NYSDEC RRUSCO								
2,4-Dinitrophenol	380,000	NS	U	U	U	U	U	U	U	U
4-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U
Dibenzofuran	NS	NS	U	140 J	U	U	U	U	U	U
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U
Diethylphthalate	150,000,000	NS	U	U	U	U	U	U	U	U
Fluorene	7,200,000	100,000	U	U	U	U	U	U	U	U
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U
4-Nitroaniline	760,000	NS	U	U	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol	15,000	NS	U	J	U	U	U	U	U	U
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U	U	U	U	U	U
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	U	U	U	U
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U
Hexachlorobenzene	21,000	NS	U	U	U	U	U	U	U	U
Atrazine	240,000	NS	U	U	U	U	U	U	U	U
Pentachlorophenol	100,000	6,700	U	U	U	U	U	U	U	U
Phenanthrene	NS	100,000	1,300	2,700	90 J	90 J	160 J	U	U	U
Anthracene	54,000,000	100,000	200 J	590	U	U	U	U	U	U
Carbazole	NS	NS	U	200 J	U	U	U	U	U	U
Di-n-butylphthalate	19,000,000	NS	150 J	130 J	U	U	U	U	U	U
Fluoranthene	7,200,000	100,000	1,900 J	3,500 J	170 J	170 J	300 J	52 J	UJ	UJ
Pyrene	5,400,000	100,000	2,300	3,200	150 J	140 J	260 J	U	U	U
Butylbenzylphthalate	29,000,000	NS	U	U	U	U	U	U	U	U
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	U	U	U	U
Benzo(a)anthracene	16,000	1,000	1,300	2,000	67 J	67 J	110 J	U	U	U
Chrysene	1,600,000	3,900	1,600	2,200	85 J	80 J	150 J	U	U	U
Bis(2-ethylhexyl)phthalate	3,800,000	NS	77,000	50,000	50 J	47 J	74 J	U	U	U
Di-n-octyl phthalate	1,900,000	NS	5,300	1,700	U	U	U	U	U	U
Benzo(b)fluoranthene	16,000	1,000	1,500	2,000	96 J	83 J	150 J	U	U	U
Benzo(k)fluoranthene	160,000	3,900	620	830	U	U	U	U	U	U
Benzo(a)pyrene	1,600	1,000	1,300	1,700	68 J	61 J	110 J	U	U	U
Indeno(1,2,3-cd)pyrene	16,000	500	750	970	U	U	65 J	U	U	U
Dibenzo(a,h)anthracene	1,600	330	250 J	340 J	U	U	U	U	U	U
Benzo(g,h,i)perylene	NS	100,000	1,000	1,100	48 J	U	71 J	U	U	U
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006. All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3A: Paper Road PR001 Validated Soil Analytical Results Summary Table - TCL SVOCs

Orchard Street Site

Newburgh, Orange County, New York

August 1, 2016

RST 3 Sample No.	PR001-SS006-0206-01	PR001-SS006-0612-01	PR001-SS006-1218-01	PR001-SS006-2430-01	PR001-SS006-3642-01	RB-20160801
Sample Date	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016
Sample Depth (in.)	2-6	6-12	12-18	24-30	36-42	Rinsate Blank
Sample Matrix	Soil	Soil	Soil	Soil	Soil	DI Water
SVOC	¹ EPA RML	² NYSDEC RRUSCO				
1,4-Dioxane	NS	NS	UJ	UJ	UJ	UJ
Benzaldehyde	23,000,000	NS	U	U	U	U
Phenol	NS	100,000	60 J	52 J	46 J	44 J
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U
2-Chlorophenol	1,200,000	NS	U	U	U	U
2-Methylphenol	9,500,000	100,000	U	U	U	U
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U
Acetophenone	23,000,000	NS	U	U	U	U
4-Methylphenol	19,000,000	100,000	U	U	U	U
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U
Hexachloroethane	130,000	NS	U	U	U	U
Nitrobenzene	380,000	NS	U	U	U	U
Isophorone	38,000,000	NS	U	U	U	U
2-Nitrophenol	NS	NS	U	U	U	U
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U
2,4-Dichlorophenol	570,000	NS	U	U	U	U
Naphthalene	380,000	100,000	U	U	U	U
4-Chloroaniline	270,000	NS	U	U	U	U
Hexachlorobutadiene	120,000	NS	U	U	U	U
Caprolactam	94,000,000	NS	U	U	U	U
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U
2-Methylnaphthalene	720,000	NS	U	U	U	U
Hexachlorocyclopentadiene	5,300	NS	U	U	U	U
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U
1,1-Biphenyl	140,000	NS	U	U	U	U
2-Chloronaphthalene	14,000,000	NS	U	U	U	U
2-Nitroaniline	1,900,000	NS	U	U	U	U
Dimethylphthalate	NS	NS	1,000	860	750	730
2,6-Dinitrotoluene	170,000	NS	U	U	U	U
Acenaphthylene	NS	100,000	U	U	U	U
3-Nitroaniline	NS	NS	U	U	U	U
Acenaphthene	11,000,000	100,000	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg). All aqueous analytical results presented in milligrams per liter (mg/L).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3A: Paper Road PR001 Validated Soil Analytical Results Summary Table - TCL SVOCs

Orchard Street Site

Newburgh, Orange County, New York

August 1, 2016

RST 3 Sample No.	PR001-SS006-0206-01	PR001-SS006-0612-01	PR001-SS006-1218-01	PR001-SS006-2430-01	PR001-SS006-3642-01	RB-20160801	
Sample Date	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	
Sample Depth (in.)	2-6	6-12	12-18	24-30	36-42	Rinsate Blank	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	DI Water	
SVOC	¹ EPA RML	² NYSDEC RRUSCO					
2,4-Dinitrophenol	380,000	NS	U	U	U	U	
4-Nitrophenol	NS	NS	U	U	U	U	
Dibenzofuran	NS	NS	U	U	U	U	
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	
Diethylphthalate	150,000,000	NS	U	U	U	U	
Fluorene	7,200,000	100,000	U	U	U	U	
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	
4-Nitroaniline	760,000	NS	U	U	U	U	
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U	U	
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U	U	
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	
Hexachlorobenzene	21,000	NS	U	U	U	U	
Atrazine	240,000	NS	U	U	U	U	
Pentachlorophenol	100,000	6,700	U	U	U	U	
Phenanthrene	NS	100,000	150 J	71 J	U	U	
Anthracene	54,000,000	100,000	U	U	U	U	
Carbazole	NS	NS	U	U	U	U	
Di-n-butylphthalate	19,000,000	NS	U	U	U	U	
Fluoranthene	7,200,000	100,000	310 J	150 J	72 J	UJ	
Pyrene	5,400,000	100,000	250 J	130 J	59 J	U	
Butylbenzylphthalate	29,000,000	NS	U	U	U	U	
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	
Benzo(a)anthracene	16,000	1,000	110 J	55 J	U	U	
Chrysene	1,600,000	3,900	130 J	73 J	U	U	
Bis(2-ethylhexyl)phthalate	3,800,000	NS	100 J	U	U	U	
Di-n-octyl phthalate	1,900,000	NS	U	U	U	U	
Benzo(b)fluoranthene	16,000	1,000	150 J	75 J	U	U	
Benzo(k)fluoranthene	160,000	3,900	60 J	U	U	U	
Benzo(a)pyrene	1,600	1,000	110 J	55 J	U	U	
Indeno(1,2,3-cd)pyrene	16,000	500	68 J	U	U	U	
Dibenzo(a,h)anthracene	1,600	330	U	U	U	U	
Benzo(g,h,i)perylene	NS	100,000	81 J	U	U	U	
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg). All aqueous analytical results presented in milligrams per liter (mg/L).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3B: Paper Road PR002 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 2, 2016

RST 3 Sample No.	PR002-SS001-0002-01	PR002-SS001-0206-01	PR002-SS001-0612-01	PR002-SS001-1218-01	PR002-SS001-2430-01	PR002-SS001-2430-02	PR002-SS001-3642-01	PR002-SS002-0002-01	PR002-SS002-0206-01	PR002-SS002-0612-01	
Sample Date	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	
Sample Depth (in.)	0-2	2-6	6-12	12-18	24-30	24-30	36-42	0-2	2-6	6-12	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
SVOC	¹ EPA RML	² NYSDEC RRUSCO									
1,4-Dioxane	NS	NS	U	UJ	U	UJ	UJ	U	UJ	UJ	
Benzaldehyde	23,000,000	NS	U	U	U	U	U	U	U	U	
Phenol	NS	100,000	69 J	U	67 J	50 J	57 J	63 J	59 J	87 J	
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U	U	U	U	U	
2-Chlorophenol	1,200,000	NS	U	U	U	U	U	U	U	U	
2-Methylphenol	9,500,000	100,000	U	U	U	U	U	U	U	U	
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U	U	U	U	U	
Acetophenone	23,000,000	NS	U	U	U	U	U	U	U	U	
4-Methylphenol	19,000,000	100,000	U	U	U	U	U	U	U	U	
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U	U	U	U	U	
Hexachloroethane	130,000	NS	U	U	U	U	U	U	U	U	
Nitrobenzene	380,000	NS	U	U	U	U	U	U	U	U	
Isophorone	38,000,000	NS	U	U	U	U	U	U	U	U	
2-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U	
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U	U	U	U	U	
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U	U	U	U	U	
2,4-Dichlorophenol	570,000	NS	U	U	U	U	U	U	U	U	
Naphthalene	380,000	100,000	U	U	U	50 J	U	U	U	U	
4-Chloroaniline	270,000	NS	U	U	U	U	U	U	U	U	
Hexachlorobutadiene	120,000	NS	U	U	U	U	U	U	U	U	
Caprolactam	94,000,000	NS	U	U	U	U	U	U	U	U	
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U	U	U	U	U	
2-Methylnaphthalene	720,000	NS	U	U	U	72 J	U	U	52 J	U	
Hexachlorocyclopentadiene	5,300	NS	U	U	UJ	U	UJ	UJ	UJ	UJ	
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U	U	U	U	U	
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U	U	U	U	U	
1,1-Biphenyl	140,000	NS	U	U	U	U	U	U	U	U	
2-Chloronaphthalene	14,000,000	NS	U	U	U	U	U	U	U	U	
2-Nitroaniline	1,900,000	NS	U	U	U	U	U	U	U	U	
Dimethylphthalate	NS	NS	1,000	680	620	710	590	600	530 J	1,100	
2,6-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U	
Acenaphthylene	NS	100,000	110 J	93 J	130 J	550	45 J	UJ	47 J	150 J	
3-Nitroaniline	NS	NS	U	U	U	U	U	U	U	U	
Acenaphthene	11,000,000	100,000	U	U	U	U	U	U	U	U	

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3B: Paper Road PR002 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 2, 2016

RST 3 Sample No.	PR002-SS001-0002-01	PR002-SS001-0206-01	PR002-SS001-0612-01	PR002-SS001-1218-01	PR002-SS001-2430-01	PR002-SS001-2430-02	PR002-SS001-3642-01	PR002-SS002-0002-01	PR002-SS002-0206-01	PR002-SS002-0612-01	
Sample Date	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	
Sample Depth (in.)	0-2	2-6	6-12	12-18	24-30	24-30	36-42	0-2	2-6	6-12	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
SVOC	¹ EPA RML	² NYSDEC RRUSCO									
2,4-Dinitrophenol	380,000	NS	U	U	U	U	U	U	U	U	
4-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U	
Dibenzofuran	NS	NS	U	U	U	U	U	U	U	U	
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U	
Diethylphthalate	150,000,000	NS	U	U	U	U	U	U	U	U	
Fluorene	7,200,000	100,000	42 J	U	68 J	1,600 J	U	U	100 J	64 J	
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U	
4-Nitroaniline	760,000	NS	U	U	U	U	U	U	U	U	
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U	U	U	U	U	U	
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U	U	U	U	U	U	
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	U	U	U	U	
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U	
Hexachlorobenzene	21,000	NS	U	U	U	U	U	U	U	U	
Atrazine	240,000	NS	U	U	U	U	U	U	U	U	
Pentachlorophenol	100,000	6,700	U	U	U	U	U	U	U	U	
Phenanthrene	NS	100,000	450	880	930	1,600	220 J	110 J	240	1,500	
Anthracene	54,000,000	100,000	86 J	140 J	120 J	320 J	U	U	120 J	85 J	
Carbazole	NS	NS	U	84 J	43 J	U	U	U	62 J	51 J	
Di-n-butylphthalate	19,000,000	NS	U	U	U	U	U	U	U	U	
Fluoranthene	7,200,000	100,000	610	1,500	1,500 J	1,500	280 J	170 J	370 J	1,600 J	
Pyrene	5,400,000	100,000	840	1,600	1,600	2,500	420 J	200 J	540	1,600	
Butylbenzylphthalate	29,000,000	NS	U	U	U	U	U	U	U	U	
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	U	U	U	U	
Benzo(a)anthracene	16,000	1,000	360	710	890	960	180 J	89 J	250	750	
Chrysene	1,600,000	3,900	450	850	1,100	1,300	240 J	110 J	300	1,000	
Bis(2-ethylhexyl)phthalate	3,800,000	NS	U	U	U	U	U	U	U	U	
Di-n-octyl phthalate	1,900,000	NS	U	U	U	U	U	U	U	U	
Benzo(b)fluoranthene	16,000	1,000	400	960	990	810	140 J	85 J	190	800	
Benzo(k)fluoranthene	160,000	3,900	120 J	340 J	1,000	230 J	65 J	UJ	48 J	270	
Benzo(a)pyrene	1,600	1,000	340	720	810	780	160 J	74 J	170 J	640	
Indeno(1,2,3-cd)pyrene	16,000	500	170 J	440	440	380	69 J	UJ	74 J	290	
Dibenzo(a,h)anthracene	1,600	330	56 J	120 J	150 J	140 J	U	U	U	110 J	
Benzo(g,h,i)perylene	NS	100,000	190 J	470	460	500	89 J	UJ	94 J	310	
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	U	U	U	U	

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3B: Paper Road PR002 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 2, 2016

RST 3 Sample No.	PR002-SS002-1218-01	PR002-SS002-2430-01	PR002-SS002-3642-01	PR002-SS003-0002-01	PR002-SS003-0206-01	PR002-SS003-0206-02	PR002-SS003-0612-1	PR002-SS003-1218-01	PR002-SS003-2430-01	PR002-SS003-3642-01	
Sample Date	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	
Sample Depth (in.)	12-18	24-30	36-42	0-2	2-6	2-6	6-12	12-18	24-30	36-42	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
SVOC	¹ EPA RML	² NYSDEC RRUSCO									
1,4-Dioxane	NS	NS	UJ	U	UJ	U	U	U	U	U	
Benzaldehyde	23,000,000	NS	U	U	U	U	U	U	U	U	
Phenol	NS	100,000	U	55 J	U	U	68 J	68 J	U	64 J	
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U	U	U	U	U	
2-Chlorophenol	1,200,000	NS	U	U	U	U	U	U	U	U	
2-Methylphenol	9,500,000	100,000	U	U	U	U	U	U	U	U	
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U	U	U	U	U	
Acetophenone	23,000,000	NS	U	U	U	U	U	U	U	U	
4-Methylphenol	19,000,000	100,000	U	U	U	U	U	U	U	U	
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U	U	U	U	U	
Hexachloroethane	130,000	NS	U	U	U	U	U	U	U	U	
Nitrobenzene	380,000	NS	U	U	U	U	U	U	U	U	
Isophorone	38,000,000	NS	U	U	U	U	U	U	U	U	
2-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U	
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U	U	U	U	U	
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U	U	U	U	U	
2,4-Dichlorophenol	570,000	NS	U	U	U	U	U	U	U	U	
Naphthalene	380,000	100,000	U	U	U	U	U	U	U	U	
4-Chloroaniline	270,000	NS	U	U	U	U	U	U	U	U	
Hexachlorobutadiene	120,000	NS	U	U	U	U	U	U	U	U	
Caprolactam	94,000,000	NS	U	U	U	U	U	U	U	U	
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U	U	U	U	U	
2-Methylnaphthalene	720,000	NS	U	U	U	U	U	U	U	U	
Hexachlorocyclopentadiene	5,300	NS	UJ	U	U	U	U	U	U	U	
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U	U	U	U	U	
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U	U	U	U	U	
1,1-Biphenyl	140,000	NS	U	U	U	U	U	U	U	U	
2-Chloronaphthalene	14,000,000	NS	U	U	U	U	U	U	U	U	
2-Nitroaniline	1,900,000	NS	U	U	U	U	U	U	U	U	
Dimethylphthalate	NS	NS	380	530	310	510	580	610	390	670	
2,6-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U	
Acenaphthylene	NS	100,000	U	U	U	U	U	U	U	U	
3-Nitroaniline	NS	NS	U	U	U	U	U	U	U	U	
Acenaphthene	11,000,000	100,000	U	U	U	U	U	U	U	U	

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3B: Paper Road PR002 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 2, 2016

RST 3 Sample No.	PR002-SS002-1218-01	PR002-SS002-2430-01	PR002-SS002-3642-01	PR002-SS003-0002-01	PR002-SS003-0206-01	PR002-SS003-0206-02	PR002-SS003-0612-1	PR002-SS003-1218-01	PR002-SS003-2430-01	PR002-SS003-3642-01	
Sample Date	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	
Sample Depth (in.)	12-18	24-30	36-42	0-2	2-6	2-6	6-12	12-18	24-30	36-42	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
SVOC	¹ EPA RML	² NYSDEC RRUSCO									
2,4-Dinitrophenol	380,000	NS	U	U	U	U	U	U	U	U	
4-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U	
Dibenzofuran	NS	NS	U	U	U	U	U	U	U	U	
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U	
Diethylphthalate	150,000,000	NS	U	U	U	U	U	U	U	U	
Fluorene	7,200,000	100,000	U	U	U	U	U	U	U	U	
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U	
4-Nitroaniline	760,000	NS	U	U	U	U	U	U	U	U	
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U	U	U	U	U	U	
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U	U	U	U	U	U	
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	U	U	U	U	
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U	
Hexachlorobenzene	21,000	NS	U	U	U	U	U	U	U	U	
Atrazine	240,000	NS	U	U	U	U	U	U	U	U	
Pentachlorophenol	100,000	6,700	U	U	U	U	U	U	U	U	
Phenanthrene	NS	100,000	220	U	U	78 J	45 J	58 J	U	U	
Anthracene	54,000,000	100,000	U	U	U	U	U	U	U	U	
Carbazole	NS	NS	U	U	U	U	U	U	U	U	
Di-n-butylphthalate	19,000,000	NS	U	U	U	U	U	U	U	U	
Fluoranthene	7,200,000	100,000	300 J	UJ	UJ	180 J	96 J	120 J	UJ	UJ	
Pyrene	5,400,000	100,000	300	U	U	85 J	81 J	100 J	U	U	
Butylbenzylphthalate	29,000,000	NS	U	U	U	U	U	U	U	U	
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	U	U	U	U	
Benzo(a)anthracene	16,000	1,000	120 J	U	U	67 J	U	44 J	U	U	
Chrysene	1,600,000	3,900	170 J	U	U	85 J	UJ	57 J	U	U	
Bis(2-ethylhexyl)phthalate	3,800,000	NS	54 J	U	U	75 J	53 J	U	U	U	
Di-n-octyl phthalate	1,900,000	NS	U	U	U	U	U	U	U	U	
Benzo(b)fluoranthene	16,000	1,000	140 J	U	U	U	U	63 J	U	U	
Benzo(k)fluoranthene	160,000	3,900	U	U	U	U	U	U	U	U	
Benzo(a)pyrene	1,600	1,000	120 J	U	U	U	U	49 J	U	U	
Indeno(1,2,3-cd)pyrene	16,000	500	U	U	U	U	U	U	U	U	
Dibenzo(a,h)anthracene	1,600	330	U	U	U	U	U	U	U	U	
Benzo(g,h,i)perylene	NS	100,000	70 J	U	U	U	U	U	U	U	
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	U	U	U	U	

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3B: Paper Road PR002 Validated Soil Analytical Results Summary Table - TCL SVOCs

Orchard Street Site

Newburgh, Orange County, New York

August 2, 2016

RST 3 Sample No.	PR002-SS004-0002-01	PR002-SS004-0206-01	PR002-SS004-0612-01	PR002-SS004-1218-01	PR002-SS004-2430-01	PR002-SS004-3642-01	PR002-SS005-0002-01	PR002-SS005-0206-01	PR002-SS005-0612-01	PR002-SS005-1218-01
Sample Date	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016
Sample Depth (in.)	0-2	2-6	6-12	6-12	24-30	36-42	0-2	2-6	6-12	12-18
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
SVOC	¹ EPA RML	² NYSDEC RRUSCO	UJ	U	U	U	U	U	U	U
1,4-Dioxane	NS	NS	UJ	U	U	U	U	U	U	U
Benzaldehyde	23,000,000	NS	U	U	U	U	U	U	U	U
Phenol	NS	100,000	U	43 J	U	56 J	U	U	U	38 J
Bis(2-Chloroethyl)ether	23,000	NS	250 J	U	U	U	U	U	U	U
2-Chlorophenol	1,200,000	NS	U	U	U	U	U	U	U	U
2-Methylphenol	9,500,000	100,000	U	U	U	U	U	U	U	U
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U	U	U	U	U
Acetophenone	23,000,000	NS	U	U	U	U	U	U	U	U
4-Methylphenol	19,000,000	100,000	U	U	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U	U	U	U	U
Hexachloroethane	130,000	NS	U	U	U	U	U	U	U	U
Nitrobenzene	380,000	NS	U	U	U	U	U	U	U	U
Isophorone	38,000,000	NS	U	U	U	U	U	U	U	U
2-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U	U	U	U	U
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U	U	U	U	U
2,4-Dichlorophenol	570,000	NS	U	U	U	U	U	U	U	U
Naphthalene	380,000	100,000	U	U	U	U	U	U	U	U
4-Chloroaniline	270,000	NS	U	U	U	U	U	U	U	U
Hexachlorobutadiene	120,000	NS	U	U	U	U	U	U	U	U
Caprolactam	94,000,000	NS	U	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U	U	U	U	U
2-Methylnaphthalene	720,000	NS	U	U	U	U	U	U	U	U
Hexachlorocyclopentadiene	5,300	NS	U	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U	U	U	U	U
1,1-Biphenyl	140,000	NS	U	U	U	U	U	U	U	U
2-Chloronaphthalene	14,000,000	NS	U	U	U	U	U	U	U	U
2-Nitroaniline	1,900,000	NS	U	U	U	U	U	U	U	U
Dimethylphthalate	NS	NS	500	510	420	590	660	710	750	780
2,6-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U
Acenaphthylene	NS	100,000	U	U	U	U	U	U	U	U
3-Nitroaniline	NS	NS	U	U	U	U	U	U	U	U
Acenaphthene	11,000,000	100,000	U	U	U	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006. All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3B: Paper Road PR002 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 2, 2016

RST 3 Sample No.	PR002-SS004-0002-01	PR002-SS004-0206-01	PR002-SS004-0612-01	PR002-SS004-1218-01	PR002-SS004-2430-01	PR002-SS004-3642-01	PR002-SS005-0002-01	PR002-SS005-0206-01	PR002-SS005-0612-01	PR002-SS005-1218-01	
Sample Date	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	
Sample Depth (in.)	0-2	2-6	6-12	6-12	24-30	36-42	0-2	2-6	6-12	12-18	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
SVOC	¹ EPA RML	² NYSDEC RRUSCO									
2,4-Dinitrophenol	380,000	NS	U	U	U	U	U	U	U	U	
4-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U	
Dibenzofuran	NS	NS	U	U	U	U	U	U	U	U	
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U	
Diethylphthalate	150,000,000	NS	U	U	U	U	U	U	U	U	
Fluorene	7,200,000	100,000	U	U	U	U	U	U	U	U	
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U	
4-Nitroaniline	760,000	NS	U	U	U	U	U	U	U	U	
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U	U	U	U	U	U	
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U	U	U	U	U	U	
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	U	U	U	U	
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U	
Hexachlorobenzene	21,000	NS	U	U	U	U	U	U	U	U	
Atrazine	240,000	NS	U	U	U	U	U	U	U	U	
Pentachlorophenol	100,000	6,700	U	U	U	U	U	U	U	U	
Phenanthrene	NS	100,000	U	U	U	U	U	48 J	U	U	
Anthracene	54,000,000	100,000	U	U	U	U	U	U	U	U	
Carbazole	NS	NS	U	U	U	U	U	U	U	U	
Di-n-butylphthalate	19,000,000	NS	U	U	U	U	U	U	U	U	
Fluoranthene	7,200,000	100,000	180 J	68 J	UJ	U	U	100 J	65 J	U	
Pyrene	5,400,000	100,000	140 J	57 J	U	U	U	91 J	59 J	U	
Butylbenzylphthalate	29,000,000	NS	U	U	U	U	U	U	U	U	
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	U	U	U	U	
Benzo(a)anthracene	16,000	1,000	65 J	U	U	U	U	U	U	U	
Chrysene	1,600,000	3,900	79 J	U	U	U	U	52 J	U	U	
Bis(2-ethylhexyl)phthalate	3,800,000	NS	93 J	U	100 J	U	U	U	U	U	
Di-n-octyl phthalate	1,900,000	NS	U	U	U	U	U	U	U	U	
Benzo(b)fluoranthene	16,000	1,000	93 J	U	U	U	U	63 J	U	U	
Benzo(k)fluoranthene	160,000	3,900	U	U	U	U	U	U	U	U	
Benzo(a)pyrene	1,600	1,000	74 J	U	U	U	U	43 J	U	U	
Indeno(1,2,3-cd)pyrene	16,000	500	U	U	U	U	U	U	U	U	
Dibenzo(a,h)anthracene	1,600	330	U	U	U	U	U	U	U	U	
Benzo(g,h,i)perylene	NS	100,000	U	U	U	U	U	U	U	U	
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	U	U	U	U	

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3B: Paper Road PR002 Validated Soil Analytical Results Summary Table - TCL SVOCs

Orchard Street Site

Newburgh, Orange County, New York

August 2, 2016

RST 3 Sample No.	PR002-SS005-2430-01	PR002-SS005-3642-01	PR002-SS006-0002-01	PR002-SS006-0206-01	PR002-SS006-0612-01	PR002-SS006-1218-01	PR002-SS006-2430-01	RB-20160802
Sample Date	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016
Sample Depth (in.)	24-30	36-42	0-2	2-6	6-12	12-18	24-30	Rinsate Blank
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	DI Water
SVOC	¹ EPA RML	² NYSDEC RRUSCO						
1,4-Dioxane	NS	NS	U	U	U	U	U	UJ
Benzaldehyde	23,000,000	NS	U	U	U	U	U	U
Phenol	NS	100,000	38 J	U	U	U	U	U
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U	U	U
2-Chlorophenol	1,200,000	NS	U	U	U	U	U	U
2-Methylphenol	9,500,000	100,000	U	U	U	U	U	U
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U	U	U
Acetophenone	23,000,000	NS	U	U	U	U	U	U
4-Methylphenol	19,000,000	100,000	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U	U	U
Hexachloroethane	130,000	NS	U	U	U	U	U	U
Nitrobenzene	380,000	NS	U	U	U	U	U	U
Isophorone	38,000,000	NS	U	U	U	U	U	U
2-Nitrophenol	NS	NS	U	U	U	U	U	U
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U	U	U
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U	U	U
2,4-Dichlorophenol	570,000	NS	U	U	U	U	U	U
Naphthalene	380,000	100,000	U	U	U	U	U	U
4-Chloroaniline	270,000	NS	U	U	U	U	U	UJ
Hexachlorobutadiene	120,000	NS	U	U	U	U	U	U
Caprolactam	94,000,000	NS	U	U	U	U	U	U
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U	U	U
2-Methylnaphthalene	720,000	NS	U	U	U	U	U	U
Hexachlorocyclopentadiene	5,300	NS	U	U	U	U	U	U
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U	U	U
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U	U	U
1,1-Biphenyl	140,000	NS	U	U	U	U	U	U
2-Chloronaphthalene	14,000,000	NS	U	U	U	U	U	U
2-Nitroaniline	1,900,000	NS	U	U	U	U	U	U
Dimethylphthalate	NS	NS	860	740	1,200	740	900	790
2,6-Dinitrotoluene	170,000	NS	U	U	U	U	U	U
Acenaphthylene	NS	100,000	U	U	U	U	U	U
3-Nitroaniline	NS	NS	U	U	U	U	U	U
Acenaphthene	11,000,000	100,000	U	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg). All aqueous analytical results presented in milligrams per liter ((µg/L).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3B: Paper Road PR002 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 2, 2016

RST 3 Sample No.	PR002-SS005-2430-01	PR002-SS005-3642-01	PR002-SS006-0002-01	PR002-SS006-0206-01	PR002-SS006-0612-01	PR002-SS006-1218-01	PR002-SS006-2430-01	RB-20160802
Sample Date	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016	8/2/2016
Sample Depth (in.)	24-30	36-42	0-2	2-6	6-12	12-18	24-30	Rinsate Blank
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	DI Water
SVOC	¹ EPA RML	² NYSDEC RRUSCO						
2,4-Dinitrophenol	380,000	NS	U	U	U	U	U	U
4-Nitrophenol	NS	NS	U	U	U	U	U	U
Dibenzofuran	NS	NS	U	U	U	U	U	U
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	U	U
Diethylphthalate	150,000,000	NS	U	U	U	U	U	U
Fluorene	7,200,000	100,000	U	U	U	U	U	U
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	U	U
4-Nitroaniline	760,000	NS	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U	U	U	U
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U	U	U	U
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	U	U
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	U	U
Hexachlorobenzene	21,000	NS	U	U	U	U	U	U
Atrazine	240,000	NS	U	U	U	U	U	U
Pentachlorophenol	100,000	6,700	U	U	U	U	U	U
Phenanthrene	NS	100,000	U	U	200 J	97 J	73 J	U
Anthracene	54,000,000	100,000	U	U	U	U	U	U
Carbazole	NS	NS	U	U	U	U	U	U
Di-n-butylphthalate	19,000,000	NS	U	U	U	U	U	U
Fluoranthene	7,200,000	100,000	U	U	400	170 J	130 J	U
Pyrene	5,400,000	100,000	U	U	370	160 J	120 J	U
Butylbenzylphthalate	29,000,000	NS	U	U	U	U	U	U
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	U	U
Benzo(a)anthracene	16,000	1,000	U	U	160 J	66 J	51 J	U
Chrysene	1,600,000	3,900	U	U	210 J	89 J	69 J	U
Bis(2-ethylhexyl)phthalate	3,800,000	NS	U	U	130 J	47 J	U	U
Di-n-octyl phthalate	1,900,000	NS	U	U	U	U	U	U
Benzo(b)fluoranthene	16,000	1,000	U	U	230 J	90 J	75 J	U
Benzo(k)fluoranthene	160,000	3,900	U	U	92 J	U	U	U
Benzo(a)pyrene	1,600	1,000	U	U	170 J	72 J	55 J	U
Indeno(1,2,3-cd)pyrene	16,000	500	U	U	110 J	44 J	U	U
Dibenzo(a,h)anthracene	1,600	330	U	U	U	U	U	U
Benzo(g,h,i)perylene	NS	100,000	U	U	120 J	47 J	U	U
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg). All aqueous analytical results presented in milligrams per liter ((µg/L).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 3C: Property P001 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 3, 2016

RST 3 Sample No.	P001-SS001-0002-01	P001-SS001-0206-01	P001-SS001-0612-01	P001-SS001-1218-01	P001-SS001-2430-01	P001-SS002-0002-01	P001-SS002-0206-01	P001-SS002-0612-01	P001-SS002-1218-01	P001-SS002-2430-01	
Sample Date	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	
Sample Depth (in.)	0-2	2-6	6-12	12-18	24-30	0-2	2-6	6-12	12-18	24-30	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
SVOC	¹ EPA RML	² NYSDEC RUSCO									
1,4-Dioxane	NS	NS	U	UJ	UJ	UJ	UJ	U	UJ	U	UJ
Benzaldehyde	23,000,000	NS	U	U	U	U	U	U	U	U	U
Phenol	NS	100,000	U	U	U	U	U	U	U	U	U
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U	U	U	U	U	U
2-Chlorophenol	1,200,000	NS	U	U	U	U	U	U	U	U	U
2-Methylphenol	9,500,000	100,000	U	U	U	U	U	U	U	U	U
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U	U	U	U	U	U
Acetophenone	23,000,000	NS	U	U	U	U	U	U	U	U	U
4-Methylphenol	19,000,000	34,000	U	U	U	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U	U	U	U	U	U
Hexachloroethane	130,000	NS	U	U	U	U	U	U	U	U	U
Nitrobenzene	380,000	NS	U	U	U	U	U	U	U	U	U
Isophorone	38,000,000	NS	U	U	U	U	U	U	U	U	U
2-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U	U	U	U	U	U
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U	U	U	U	U	U
2,4-Dichlorophenol	570,000	NS	U	U	U	U	U	U	U	U	U
Naphthalene	380,000	100,000	U	U	U	47 J	U	U	U	U	U
4-Chloroaniline	270,000	NS	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	120,000	NS	U	U	U	U	U	U	U	U	U
Caprolactam	94,000,000	NS	U	U	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U	U	U	U	U	U
2-Methylnaphthalene	720,000	NS	U	U	U	89 J	45 J	U	U	U	U
Hexachlorocyclopentadiene	5,300	NS	U	U	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U	U	U	U	U	U
1,1-Biphenyl	140,000	NS	U	U	U	U	U	U	U	U	U
2-Chloronaphthalene	14,000,000	NS	U	U	U	U	U	U	U	U	U
2-Nitroaniline	1,900,000	NS	U	U	U	U	U	U	U	U	U
Dimethylphthalate	NS	NS	690	650	640	430	890	720	270	260	270
2,6-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U	U
Acenaphthylene	NS	100,000	U	U	98 J	240	170 J	U	U	U	U
3-Nitroaniline	NS	NS	U	U	U	U	U	U	U	U	U
Acenaphthene	11,000,000	100,000	U	U	U	100 J	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3C: Property P001 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 3, 2016

RST 3 Sample No.	P001-SS001-0002-01	P001-SS001-0206-01	P001-SS001-0612-01	P001-SS001-1218-01	P001-SS001-2430-01	P001-SS002-0002-01	P001-SS002-0206-01	P001-SS002-0612-01	P001-SS002-1218-01	P001-SS002-2430-01
Sample Date	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016
Sample Depth (in.)	0-2	2-6	6-12	12-18	24-30	0-2	2-6	6-12	12-18	24-30
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
SVOC	¹ EPA RML	² NYSDEC RUSCO								
2,4-Dinitrophenol	380,000	NS	U	U	U	U	U	U	U	U
4-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U
Dibenzofuran	NS	NS	U	U	U	120 J	U	U	U	U
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U
Diethylphthalate	150,000,000	NS	U	U	U	U	U	U	U	U
Fluorene	7,200,000	100,000	U	U	U	230	99 J	U	U	U
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U
4-Nitroaniline	760,000	NS	U	U	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U	UJ	U	U	U	U
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U	U	U	U	U	U
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	U	U	U	U
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U
Hexachlorobenzene	21,000	NS	U	U	U	U	U	U	U	U
Atrazine	240,000	NS	U	U	U	U	U	U	U	U
Pentachlorophenol	100,000	2,400	U	U	U	U	U	U	U	U
Phenanthrene	NS	100,000	U	160 J	450	1,900	1,100	U	U	41 J
Anthracene	54,000,000	100,000	U	U	U	470	160 J	U	U	U
Carbazole	NS	NS	U	U	U	85 J	U	U	U	U
Di-n-butylphthalate	19,000,000	NS	U	U	U	U	U	U	U	U
Fluoranthene	7,200,000	100,000	U	280 J	750 J	2,100 J	1,500 J	U	U	72 J
Pyrene	5,400,000	100,000	U	350	770	2,300	1,700	U	U	73 J
Butylbenzylphthalate	29,000,000	NS	U	U	2,100	U	U	U	U	U
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	U	U	U	U
Benzo(a)anthracene	16,000	1,000	U	170 J	460	1,800	1,000	U	U	U
Chrysene	1,600,000	1,000	U	210	520	1,800	1,100	U	U	45 J
Bis(2-ethylhexyl)phthalate	3,800,000	NS	U	U	230	U	130 J	U	U	U
Di-n-octyl phthalate	1,900,000	NS	U	U	U	U	U	U	U	U
Benzo(b)fluoranthene	16,000	1,000	U	150 J	550	1,900	1,000	U	U	U
Benzo(k)fluoranthene	160,000	1,000	U	57 J	230	690	410	U	U	U
Benzo(a)pyrene	1,600	1,000	U	130 J	450	1,500	870	U	U	U
Indeno(1,2,3-cd)pyrene	16,000	500	U	68 J	270	800	450	U	U	U
Dibenzo(a,h)anthracene	1,600	330	U	U	96 J	260	170 J	U	U	U
Benzo(g,h,i)perylene	NS	100,000	U	78 J	260	760	520	U	U	U
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3C: Property P001 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 3, 2016

RST 3 Sample No.	P001-SS002-3642-01	P001-SS003-0002-01	P001-SS003-0206-01	P001-SS003-0612-01	P001-SS003-1218-01	RB-20160803
Sample Date	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016
Sample Depth (in.)	36-42	0-2	2-6	6-12	12-18	Rinsate Blank
Sample Matrix	Soil	Soil	Soil	Soil	Soil	DI Water
SVOC	¹ EPA RML	² NYSDEC RUSCO				
1,4-Dioxane	NS	NS	UJ	U	UJ	UJ
Benzaldehyde	23,000,000	NS	U	U	U	U
Phenol	NS	100,000	U	U	U	U
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U
2-Chlorophenol	1,200,000	NS	U	U	U	U
2-Methylphenol	9,500,000	100,000	U	U	U	U
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U
Acetophenone	23,000,000	NS	U	U	U	U
4-Methylphenol	19,000,000	34,000	U	U	U	U
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U
Hexachloroethane	130,000	NS	U	U	U	U
Nitrobenzene	380,000	NS	U	U	U	U
Isophorone	38,000,000	NS	U	U	U	U
2-Nitrophenol	NS	NS	U	U	U	U
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U
2,4-Dichlorophenol	570,000	NS	U	U	U	U
Naphthalene	380,000	100,000	78 J	U	U	U
4-Chloroaniline	270,000	NS	U	U	U	U
Hexachlorobutadiene	120,000	NS	U	U	U	U
Caprolactam	94,000,000	NS	U	U	U	U
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U
2-Methylnaphthalene	720,000	NS	170 J	U	U	U
Hexachlorocyclopentadiene	5,300	NS	U	U	U	U
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U
1,1-Biphenyl	140,000	NS	U	U	U	U
2-Chloronaphthalene	14,000,000	NS	U	U	U	U
2-Nitroaniline	1,900,000	NS	U	U	U	U
Dimethylphthalate	NS	NS	250	300	250	260
2,6-Dinitrotoluene	170,000	NS	U	U	U	U
Acenaphthylene	NS	100,000	360	U	U	42 J
3-Nitroaniline	NS	NS	U	U	U	U
Acenaphthene	11,000,000	100,000	150 J	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg). All aqueous analytical results presented in milligrams per liter ((µg/L).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3C: Property P001 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 3, 2016

RST 3 Sample No.	P001-SS002-3642-01	P001-SS003-0002-01	P001-SS003-0206-01	P001-SS003-0612-01	P001-SS003-1218-01	RB-20160803
Sample Date	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016
Sample Depth (in.)	36-42	0-2	2-6	6-12	12-18	Rinsate Blank
Sample Matrix	Soil	Soil	Soil	Soil	Soil	DI Water
SVOC	¹ EPA RML	² NYSDEC RUSCO				
2,4-Dinitrophenol	380,000	NS	U	U	U	U
4-Nitrophenol	NS	NS	U	U	U	U
Dibenzofuran	NS	NS	160 J	U	U	U
2,4-Dinitrotoluene	170,000	NS	U	U	U	U
Diethylphthalate	150,000,000	NS	U	U	U	U
Fluorene	7,200,000	100,000	540	U	U	U
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U
4-Nitroaniline	760,000	NS	U	U	U	U
4,6-Dinitro-2-methylphenol	15,000	NS	UJ	U	U	U
N-Nitrosodiphenylamine	11,000,000	NS	44 J	U	U	U
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U
4-Bromophenyl-phenylether	NS	NS	U	U	U	U
Hexachlorobenzene	21,000	NS	U	U	U	U
Atrazine	240,000	NS	U	U	U	U
Pentachlorophenol	100,000	2,400	U	U	U	U
Phenanthrene	NS	100,000	2,300	49 J	110 J	49 J
Anthracene	54,000,000	100,000	450	U	U	U
Carbazole	NS	NS	210 J	U	U	U
Di-n-butylphthalate	19,000,000	NS	U	U	U	U
Fluoranthene	7,200,000	100,000	2,000 J	86 J	130 J	67 J
Pyrene	5,400,000	100,000	2,200	110 J	160 J	77 J
Butylbenzylphthalate	29,000,000	NS	U	U	U	U
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U
Benzo(a)anthracene	16,000	1,000	1,300	51 J	60 J	U
Chrysene	1,600,000	1,000	1,500	59 J	84 J	42 J
Bis(2-ethylhexyl)phthalate	3,800,000	NS	40 J	U	U	U
Di-n-octyl phthalate	1,900,000	NS	U	U	U	U
Benzo(b)fluoranthene	16,000	1,000	1,200	60 J	66 J	U
Benzo(k)fluoranthene	160,000	1,000	490	U	U	41 J
Benzo(a)pyrene	1,600	1,000	1,100	50 J	50 J	U
Indeno(1,2,3-cd)pyrene	16,000	500	560	U	U	67 J
Dibenzo(a,h)anthracene	1,600	330	200	U	U	U
Benzo(g,h,i)perylene	NS	100,000	690	37 J	36 J	98 J
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg). All aqueous analytical results presented in milligrams per liter ((µg/L).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3D: Property P002 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 3 and 4, 2016

RST 3 Sample No.	P002-SS001-0002-01	P002-SS001-0206-01	P002-SS001-0612-01	P002-SS001-0612-02	P002-SS001-1218-01	P002-SS002-0002-01	P002-SS002-0206-01	P002-SS002-0612-01	P002-SS002-1218-01	P002-SS002-2430-01
Sample Date	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016
Sample Depth (in.)	0-2	2-6	6-12	6-12	12-18	0-2	2-6	6-12	12-18	24-30
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
SVOC	¹ EPA RML	² NYSDEC RUSCO								
1,4-Dioxane	NS	NS	UJ	U						
Benzaldehyde	23,000,000	NS	U	U	U	U	U	U	U	U
Phenol	NS	100,000	U	U	U	U	U	U	U	U
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U	U	U	U	U
2-Chlorophenol	1,200,000	NS	U	U	U	U	U	U	U	U
2-Methylphenol	9,500,000	100,000	U	U	U	U	U	U	U	U
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U	U	U	U	U
Acetophenone	23,000,000	NS	U	U	U	U	U	U	U	U
4-Methylphenol	19,000,000	34,000	U	U	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U	U	U	U	U
Hexachloroethane	130,000	NS	U	U	U	U	U	U	U	U
Nitrobenzene	380,000	NS	U	U	U	U	U	U	U	U
Isophorone	38,000,000	NS	U	U	U	U	U	U	U	U
2-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U	U	U	U	U
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U	U	U	U	U
2,4-Dichlorophenol	570,000	NS	U	U	U	U	U	U	U	U
Naphthalene	380,000	100,000	63 J	U	U	U	U	51 J	U	49 J
4-Chloroaniline	270,000	NS	U	U	U	U	U	U	U	U
Hexachlorobutadiene	120,000	NS	U	U	U	U	U	U	U	U
Caprolactam	94,000,000	NS	U	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U	U	U	U	U
2-Methylnaphthalene	720,000	NS	110 J	U	U	U	U	97 J	U	50 J
Hexachlorocyclopentadiene	5,300	NS	U	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U	U	U	U	U
1,1-Biphenyl	140,000	NS	U	U	U	U	U	U	U	U
2-Chloronaphthalene	14,000,000	NS	U	U	U	U	U	U	U	U
2-Nitroaniline	1,900,000	NS	U	U	U	U	U	U	U	U
Dimethylphthalate	NS	NS	270	300	220	360	390	530	400	220
2,6-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U
Acenaphthylene	NS	100,000	180 J	U	42 J	58 J	U	550	110 J	110 J
3-Nitroaniline	NS	NS	U	U	U	U	U	U	U	U
Acenaphthene	11,000,000	100,000	82 J	U	U	U	U	310	500 J	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3D: Property P002 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 3 and 4, 2016

RST 3 Sample No.	P002-SS001-0002-01	P002-SS001-0206-01	P002-SS001-0612-01	P002-SS001-0612-02	P002-SS001-1218-01	P002-SS002-0002-01	P002-SS002-0206-01	P002-SS002-0612-01	P002-SS002-1218-01	P002-SS002-2430-01	
Sample Date	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/3/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	
Sample Depth (in.)	0-2	2-6	6-12	6-12	12-18	0-2	2-6	6-12	12-18	24-30	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
SVOC	¹ EPA RML	² NYSDEC RUSCO									
2,4-Dinitrophenol	380,000	NS	U U	U	U	U	U	U	U	U	
4-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U	
Dibenzofuran	NS	NS	87 J	U	U	U	U	330	U	U	
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U	
Diethylphthalate	150,000,000	NS	U	U	U	U	U	U	U	U	
Fluorene	7,200,000	100,000	290	U	U	U	U	880	72 J	U	
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U	
4-Nitroaniline	760,000	NS	U	U	U	U	U	U	U	U	
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U	U	U	U	U	U	
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U	U	U	U	U	U	
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	U	U	U	U	
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U	
Hexachlorobenzene	21,000	NS	U	U	U	U	U	U	U	U	
Atrazine	240,000	NS	U	U	U	U	U	U	U	U	
Pentachlorophenol	100,000	2,400	U	86 J	U	U	U	U	U	U	
Phenanthrene	NS	100,000	1,900	230	290	340	110 J	5,900	950	540	
Anthracene	54,000,000	100,000	230	U	U	50 J	U	1,300	170 J	64 J	
Carbazole	NS	NS	100 J	U	U	U	330 J	72 J	U	54 J	
Di-n-butylphthalate	19,000,000	NS	U	49 J	U	U	U	U	U	U	
Fluoranthene	7,200,000	100,000	1,800 J	560 J	390 J	520 J	180 J	7,900 J	1,400 J	830 J	
Pyrene	5,400,000	100,000	1,600	630	450	590	200	5,900	1,200	940	
Butylbenzylphthalate	29,000,000	NS	U	U	U	U	U	U	U	U	
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	U	U	U	U	
Benzo(a)anthracene	16,000	1,000	910	270	210	310	100 J	2,900	740	510	
Chrysene	1,600,000	1,000	1,100	310	260	350	110 J	2,800	820	610	
Bis(2-ethylhexyl)phthalate	3,800,000	NS	U	U	U	U	U	U	67 J	51 J	
Di-n-octyl phthalate	1,900,000	NS	U	U	U	U	U	U	U	U	
Benzo(b)fluoranthene	16,000	1,000	940	320	200	280	99 J	2,800	820	560	
Benzo(k)fluoranthene	160,000	1,000	330	80 J	68 J	120 J	U	1,100	280	180 J	
Benzo(a)pyrene	1,600	1,000	730	250	180 J	270	87 J	2,100	660	470	
Indeno(1,2,3-cd)pyrene	16,000	500	360	120 J	95 J	140 J	44 J	980	320	240	
Dibenzo(a,h)anthracene	1,600	330	120 J	U	U	U	U	380	110 J	170 J	
Benzo(g,h,i)perylene	NS	100,000	390	160 J	120 J	150 J	53 J	920	390	27	
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	U	U	U	U	

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3D: Property P002 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 3 and 4, 2016

RST 3 Sample No.	P002-SS002-3642-01	P002-SS003-0002-01	P002-SS003-0206-01	P002-SS003-0612-01	P002-SS003-1218-01	P002-SS003-2430-01	P002-SS003-3642-01	P002-SS004-0002-01	P002-SS004-0206-01	P002-SS004-0206-01	P002-SS004-0612-01
Sample Date	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016
Sample Depth (in.)	36-42	0-2	2-6	6-12	12-18	24-30	36-42	0-2	2-6	6-12	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
SVOC	¹ EPA RML	² NYSDEC RUSCO									
1,4-Dioxane	NS	NS	U	U	U	UJ	UJ	U	U	UJ	U
Benzaldehyde	23,000,000	NS	U	U	U	U	U	U	U	U	U
Phenol	NS	100,000	U	U	U	U	U	U	U	U	U
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U	U	U	U	U	U
2-Chlorophenol	1,200,000	NS	U	U	U	U	U	U	U	U	U
2-Methylphenol	9,500,000	100,000	U	U	U	U	U	U	U	U	U
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U	U	U	U	U	U
Acetophenone	23,000,000	NS	U	U	U	U	U	U	U	U	U
4-Methylphenol	19,000,000	34,000	U	U	U	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U	U	U	U	U	U
Hexachloroethane	130,000	NS	U	U	U	U	U	U	U	U	U
Nitrobenzene	380,000	NS	U	U	U	U	U	U	U	U	U
Isophorone	38,000,000	NS	U	U	U	U	U	U	U	U	U
2-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U	U	U	U	U	U
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U	U	U	U	U	U
2,4-Dichlorophenol	570,000	NS	U	U	U	U	U	U	U	U	U
Naphthalene	380,000	100,000	U	U	U	46 J	U	48 J	U	U	U
4-Chloroaniline	270,000	NS	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	120,000	NS	U	U	U	U	U	U	U	U	U
Caprolactam	94,000,000	NS	U	U	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U	U	U	U	U	U
2-Methylnaphthalene	720,000	NS	U	U	47 J	160 J	U	79 J	U	U	U
Hexachlorocyclopentadiene	5,300	NS	U	U	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U	U	U	U	U	U
1,1-Biphenyl	140,000	NS	U	U	U	U	U	U	U	U	U
2-Chloronaphthalene	14,000,000	NS	U	U	U	U	U	U	U	U	U
2-Nitroaniline	1,900,000	NS	U	U	U	U	U	U	U	U	U
Dimethylphthalate	NS	NS	570	690	580	550	430	530	450	400	350
2,6-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U	U
Acenaphthylene	NS	100,000	U	150 J	340	330	110 J	310	U	U	U
3-Nitroaniline	NS	NS	U	U	U	U	U	U	U	U	U
Acenaphthene	11,000,000	100,000	U	U	80 J	69 J	U	54 J	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3D: Property P002 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 3 and 4, 2016

RST 3 Sample No.	P002-SS002-3642-01	P002-SS003-0002-01	P002-SS003-0206-01	P002-SS003-0612-01	P002-SS003-1218-01	P002-SS003-2430-01	P002-SS003-3642-01	P002-SS004-0002-01	P002-SS004-0206-01	P002-SS004-0612-01
Sample Date	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016
Sample Depth (in.)	36-42	0-2	2-6	6-12	12-18	24-30	36-42	0-2	2-6	6-12
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
SVOC	¹ EPA RML	² NYSDEC RUSCO								
2,4-Dinitrophenol	380,000	NS	U	U	U	U	U	U	U	U
4-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U
Dibenzofuran	NS	NS	U	U	U	U	U	U	U	U
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U
Diethylphthalate	150,000,000	NS	U	U	U	U	U	U	U	U
Fluorene	7,200,000	100,000	U	49 J	230	240	43 J	200 J	U	U
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U
4-Nitroaniline	760,000	NS	U	U	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U	U	U	U	U	U
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U	U	U	U	U	U
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	U	U	U	U
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U
Hexachlorobenzene	21,000	NS	U	U	U	U	U	U	U	U
Atrazine	240,000	NS	U	U	U	U	U	U	U	U
Pentachlorophenol	100,000	2,400	U	U	U	U	U	U	U	U
Phenanthrene	NS	100,000	71 J	66	2,200	2,200	540	1,800	300	150 J
Anthracene	54,000,000	100,000	U	110 J	340	250	63 J	280	U	U
Carbazole	NS	NS	U	U	85 J	U	U	71 J	U	U
Di-n-butylphthalate	19,000,000	NS	U	U	40 J	U	U	U	U	U
Fluoranthene	7,200,000	100,000	120 J	1,200 J	2,800 J	2,300 J	820 J	2,300 J	220 J	270 J
Pyrene	5,400,000	100,000	130 J	1,200	2,500	2,400	940	2,200	270	280
Butylbenzylphthalate	29,000,000	NS	U	U	52 J	U	U	U	U	U
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	U	U	U	U
Benzo(a)anthracene	16,000	1,000	66 J	730	1,600	1,400	530	1,500	120 J	150 J
Chrysene	1,600,000	1,000	74 J	870	1,800	1,800	600	1,600	150 J	180 J
Bis(2-ethylhexyl)phthalate	3,800,000	NS	U	57 J	U	130 J	U	2,100	U	U
Di-n-octyl phthalate	1,900,000	NS	U	U	U	U	U	U	U	U
Benzo(b)fluoranthene	16,000	1,000	67 J	770	1,800	1,400	570	1,500	73 J	150 J
Benzo(k)fluoranthene	160,000	1,000	U	320	570	460	210	620	63 J	70 J
Benzo(a)pyrene	1,600	1,000	55 J	690	1,500	1,200	460	1,300	95 J	140 J
Indeno(1,2,3-cd)pyrene	16,000	500	U	360	660	610	230	610	50 J	84 J
Dibenzo(a,h)anthracene	1,600	330	U	U	230	220	87 J	210	U	U
Benzo(g,h,i)perylene	NS	100,000	U	450	690	730	280	620	67 J	89 J
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3D: Property P002 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 3 and 4, 2016

SVOC	¹ EPA RML	RST 3 Sample No.	P002-SS004-1218-01	RB-20160803	RB-20160804
		Sample Date	8/4/2016	8/3/2016	8/4/2016
		Sample Depth (in.)	12-18	Rinsate Blank	Rinsate Blank
		Sample Matrix	Soil	DI Water	DI Water
1,4-Dioxane	NS	NS	U	R	R
Benzaldehyde	23,000,000	NS	U	U	U
Phenol	NS	100,000	U	U	U
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U
2-Chlorophenol	1,200,000	NS	U	U	U
2-Methylphenol	9,500,000	100,000	U	U	U
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U
Acetophenone	23,000,000	NS	U	U	U
4-Methylphenol	19,000,000	34,000	U	U	U
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U
Hexachloroethane	130,000	NS	U	U	U
Nitrobenzene	380,000	NS	U	U	U
Isophorone	38,000,000	NS	U	U	U
2-Nitrophenol	NS	NS	U	U	U
2,4-Dimethylphenol	3,800,000	NS	U	U	U
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U
2,4-Dichlorophenol	570,000	NS	U	U	U
Naphthalene	380,000	100,000	U	U	U
4-Chloroaniline	270,000	NS	U	U	U
Hexachlorobutadiene	120,000	NS	U	U	U
Caprolactam	94,000,000	NS	U	U	U
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U
2-Methylnaphthalene	720,000	NS	U	U	U
Hexachlorocyclopentadiene	5,300	NS	U	U	U
2,4,6-Trichlorophenol	190,000	NS	U	U	U
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U
1,1-Biphenyl	140,000	NS	U	U	U
2-Chloronaphthalene	14,000,000	NS	U	U	U
2-Nitroaniline	1,900,000	NS	U	U	U
Dimethylphthalate	NS	NS	740	U	U
2,6-Dinitrotoluene	170,000	NS	U	U	U
Acenaphthylene	NS	100,000	110 J	U	U
3-Nitroaniline	NS	NS	U	U	U
Acenaphthene	11,000,000	100,000	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram ($\mu\text{g}/\text{kg}$). All aqueous analytical results presented in milligrams per liter ($(\mu\text{g}/\text{L})$).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3D: Property P002 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 3 and 4, 2016

SVOC	¹ EPA RML	RST 3 Sample No.	P002-SS004-1218-01	RB-20160803	RB-20160804
		Sample Date	8/4/2016	8/3/2016	8/4/2016
		Sample Depth (in.)	12-18	Rinsate Blank	Rinsate Blank
		Sample Matrix	Soil	DI Water	DI Water
2,4-Dinitrophenol	380,000	NS	U	U	U
4-Nitrophenol	NS	NS	U	U	U
Dibenzofuran	NS	NS	U	U	U
2,4-Dinitrotoluene	170,000	NS	U	U	U
Diethylphthalate	150,000,000	NS	U	U	U
Fluorene	7,200,000	100,000	U	U	U
4-Chlorophenyl-phenylether	NS	NS	U	U	U
4-Nitroaniline	760,000	NS	U	U	U
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U
4-Bromophenyl-phenylether	NS	NS	U	U	U
Hexachlorobenzene	21,000	NS	U	U	U
Atrazine	240,000	NS	U	U	U
Pentachlorophenol	100,000	2,400	U	U	U
Phenanthrene	NS	100,000	450	U	U
Anthracene	54,000,000	100,000	76 J	U	U
Carbazole	NS	NS	U	U	U
Di-n-butylphthalate	19,000,000	NS	U	U	U
Fluoranthene	7,200,000	100,000	970 J	U J	U J
Pyrene	5,400,000	100,000	970	U	U
Butylbenzylphthalate	29,000,000	NS	U	U	U
3,3-Dichlorobenzidine	120,000	NS	U	U	U
Benzo(a)anthracene	16,000	1,000	640	U	U
Chrysene	1,600,000	1,000	720	U	U
Bis(2-ethylhexyl)phthalate	3,800,000	NS	2,900	U	U
Di-n-octyl phthalate	1,900,000	NS	U	U	U
Benzo(b)fluoranthene	16,000	1,000	720	U	U
Benzo(k)fluoranthene	160,000	1,000	270	U	U
Benzo(a)pyrene	1,600	1,000	600	U	U
Indeno(1,2,3-cd)pyrene	16,000	500	310	U	U
Dibenzo(a,h)anthracene	1,600	330	110 J	U	U
Benzo(g,h,i)perylene	NS	100,000	360	U	U
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram ($\mu\text{g}/\text{kg}$). All aqueous analytical results presented in milligrams per liter ($(\mu\text{g}/\text{L})$).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3E: Property P003 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 4, 2016

RST 3 Sample No.	P003-SS001-0002-01	P003-SS001-0206-01	P003-SS001-0612-01	P003-SS001-1218-01	P003-SS001-1218-02	P003-SS001-2430-01	P003-SS002-0002-01	P003-SS002-0206-01	P003-SS002-0612-01	P003-SS002-1218-01	
Sample Date	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	
Sample Depth (in.)	0-2	2-6	6-12	12-18	12-18	24-30	0-2	2-6	6-12	12-18	
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
SVOC	¹ EPA RML	² NYSDEC RUSCO									
1,4-Dioxane	NS	NS	U	U	UJ	UJ	UJ	UJ	UJ	U	U
Benzaldehyde	23,000,000	NS	U	U	U	U	U	U	U	U	U
Phenol	NS	100,000	U	U	U	U	U	U	U	95 J	69 J
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U	U	U	U	U	U
2-Chlorophenol	1,200,000	NS	U	U	U	U	U	U	U	U	U
2-Methylphenol	9,500,000	100,000	U	U	U	U	U	U	U	U	U
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U	U	U	U	U	U
Acetophenone	23,000,000	NS	U	U	U	U	U	U	U	U	U
4-Methylphenol	19,000,000	34,000	U	U	U	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U	U	U	U	U	U
Hexachloroethane	130,000	NS	U	U	U	U	U	U	U	U	U
Nitrobenzene	380,000	NS	U	U	U	U	U	U	U	U	U
Isophorone	38,000,000	NS	U	U	U	U	U	U	U	U	U
2-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U	U	U	U	U	U
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U	U	U	U	U	U
2,4-Dichlorophenol	570,000	NS	U	U	U	U	U	U	U	U	U
Naphthalene	380,000	100,000	U	62 J	U	U	U	U	U	U	U
4-Chloroaniline	270,000	NS	U	U	U	U	U	U	U	U	U
Hexachlorobutadiene	120,000	NS	U	U	U	U	U	U	U	U	U
Caprolactam	94,000,000	NS	U	U	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U	U	U	U	U	U
2-Methylnaphthalene	720,000	NS	U	170 J	U	U	U	U	U	U	U
Hexachlorocyclopentadiene	5,300	NS	U	U	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U	U	U	U	U	U
1,1-Biphenyl	140,000	NS	U	U	U	U	U	U	U	U	U
2-Chloronaphthalene	14,000,000	NS	U	U	U	U	U	U	U	U	U
2-Nitroaniline	1,900,000	NS	U	U	U	U	U	U	U	U	U
Dimethylphthalate	NS	NS	850	590	490	440	680	360	700	530	1,400
2,6-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U	U
Acenaphthylene	NS	100,000	81 J	150 J	40 J	UJ	100 J	160 J	100 J	110 J	140 J
3-Nitroaniline	NS	NS	U	U	U	U	U	U	U	U	U
Acenaphthene	11,000,000	100,000	66 J	130 J	U	U	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3E: Property P003 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 4, 2016

RST 3 Sample No.	P003-SS001-0002-01	P003-SS001-0206-01	P003-SS001-0612-01	P003-SS001-1218-01	P003-SS001-1218-02	P003-SS001-2430-01	P003-SS002-0002-01	P003-SS002-0206-01	P003-SS002-0612-01	P003-SS002-1218-01
Sample Date	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016
Sample Depth (in.)	0-2	2-6	6-12	12-18	12-18	24-30	0-2	2-6	6-12	12-18
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
SVOC	¹ EPA RML	² NYSDEC RUSCO								
2,4-Dinitrophenol	380,000	NS	U	U	U	U	U	U	U	U
4-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U
Dibenzofuran	NS	NS	U	U	U	U	U	U	U	U
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U
Diethylphthalate	150,000,000	NS	U	U	U	U	U	U	U	U
Fluorene	7,200,000	100,000	73 J	280	U	U	41 J	U	43 J	U
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U
4-Nitroaniline	760,000	NS	U	U	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U	U	U	U	U	U
N-Nitrosodiphenylamine	11,000,000	NS	U	41 J	U	U	U	U	U	U
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	U	U	U	U
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U
Hexachlorobenzene	21,000	NS	U	U	U	U	U	U	U	U
Atrazine	240,000	NS	U	U	U	U	U	U	U	U
Pentachlorophenol	100,000	2,400	U	U	U	U	U	U	U	U
Phenanthrene	NS	100,000	900	2,200	250	270	280	400	370	430
Anthracene	54,000,000	100,000	160 J	360	U	UJ	70 J	100 J	89 J	110 J
Carbazole	NS	NS	100 J	95 J	U	U	U	U	U	U
Di-n-butylphthalate	19,000,000	NS	U	U	U	U	U	U	U	U
Fluoranthene	7,200,000	100,000	1,400 J	2,200 J	380 J	380 J	430	490	490	480
Pyrene	5,400,000	100,000	1,200	2,100	450	430 J	590	770	750	750
Butylbenzylphthalate	29,000,000	NS	U	U	U	U	U	U	U	U
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	U	U	U	U
Benzo(a)anthracene	16,000	1,000	670	1,100	220	200	280	340	330	310
Chrysene	1,600,000	1,000	770	1,300	280	250	330	420	400	390
Bis(2-ethylhexyl)phthalate	3,800,000	NS	47 J	U	U	U	U	42 J	55 J	74 J
Di-n-octyl phthalate	1,900,000	NS	U	U	U	U	U	U	U	U
Benzo(b)fluoranthene	16,000	1,000	800	1,200	240	230	310	340	360	350
Benzo(k)fluoranthene	160,000	1,000	250	330	83 J	49 J	86 J	100 J	140 J	100 J
Benzo(a)pyrene	1,600	1,000	640	950	230	180 J	260	300	310	320
Indeno(1,2,3-cd)pyrene	16,000	500	340	490	120 J	87 J	140 J	150 J	170 J	170 J
Dibenzo(a,h)anthracene	1,600	330	120 J	U	U	U	47 J	47 J	53 J	56 J
Benzo(g,h,i)perylene	NS	100,000	410	540	160 J	110 J	170 J	190	200 J	210
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3E: Property P003 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 4, 2016

RST 3 Sample No.	P003-SS002-2430-01	P003-SS002-3642-01	P003-SS003-0002-01	P003-SS003-0206-01	P003-SS003-0612-01	P003-SS003-1218-01	P003-SS003-2430-01	P003-SS004-0002-01	P003-SS004-0206-01	P003-SS004-0612-01
Sample Date	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016
Sample Depth (in.)	24-30	36-42	0-2	2-6	6-121	12-18	24-30	0-2	2-6	6-12
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
SVOC	¹ EPA RML	² NYSDEC RUSCO								
1,4-Dioxane	NS	NS	U	U	U	U	U	U	U	U
Benzaldehyde	23,000,000	NS	U	U	U	U	U	U	U	U
Phenol	NS	100,000	91 J	63 J	92 J	110 J	98 J	91 J	89 J	66 J
Bis(2-Chloroethyl)ether	23,000	NS	U	U	U	U	U	U	U	U
2-Chlorophenol	1,200,000	NS	U	U	U	U	U	U	U	U
2-Methylphenol	9,500,000	100,000	U	U	U	U	U	U	U	U
2,2-oxybis(1-Chloropropane)	NS	NS	U	U	U	U	U	U	U	U
Acetophenone	23,000,000	NS	U	U	U	U	U	U	U	U
4-Methylphenol	19,000,000	34,000	U	U	U	U	U	U	U	U
N-Nitroso-di-n-propylamine	7,800	NS	U	U	U	U	U	U	U	U
Hexachloroethane	130,000	NS	U	U	U	U	U	U	U	U
Nitrobenzene	380,000	NS	U	U	U	U	U	U	U	U
Isophorone	38,000,000	NS	U	U	U	U	U	U	U	U
2-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U
2,4-Dimethylphenol	3,800,000	NS	U	U	U	U	U	U	U	U
Bis(2-Chloroethoxy)methane	570,000	NS	U	U	U	U	U	U	U	U
2,4-Dichlorophenol	570,000	NS	U	U	U	U	U	U	U	U
Naphthalene	380,000	100,000	U	U	U	U	U	U	U	U
4-Chloroaniline	270,000	NS	U	U	U	U	U	U	U	U
Hexachlorobutadiene	120,000	NS	U	U	U	U	U	U	U	U
Caprolactam	94,000,000	NS	U	U	U	U	U	U	U	U
4-Chloro-3-methylphenol	19,000,000	NS	U	U	U	U	U	U	U	U
2-Methylnaphthalene	720,000	NS	U	U	U	U	U	U	U	U
Hexachlorocyclopentadiene	5,300	NS	U	U	U	U	U	U	U	U
2,4,6-Trichlorophenol	190,000	NS	U	U	U	U	U	U	U	U
2,4,5-Trichlorophenol	19,000,000	NS	U	U	U	U	U	U	U	U
1,1-Biphenyl	140,000	NS	U	U	U	U	U	U	U	U
2-Chloronaphthalene	14,000,000	NS	U	U	U	U	U	U	U	U
2-Nitroaniline	1,900,000	NS	U	U	U	U	U	U	U	U
Dimethylphthalate	NS	NS	1,300	970	1,500	1,700	1,300	1,100	990	850
2,6-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U
Acenaphthylene	NS	100,000	U	U	220	220	410	96 J	89 J	80 J
3-Nitroaniline	NS	NS	U	U	U	U	U	U	U	U
Acenaphthene	11,000,000	100,000	U	U	U	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3E: Property P003 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 4, 2016

RST 3 Sample No.	P003-SS002-2430-01	P003-SS002-3642-01	P003-SS003-0002-01	P003-SS003-0206-01	P003-SS003-0612-01	P003-SS003-1218-01	P003-SS003-2430-01	P003-SS004-0002-01	P003-SS004-0206-01	P003-SS004-0612-01
Sample Date	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016
Sample Depth (in.)	24-30	36-42	0-2	2-6	6-12	12-18	24-30	0-2	2-6	6-12
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
SVOC	¹ EPA RML	² NYSDEC RUSCO								
2,4-Dinitrophenol	380,000	NS	U	U	U	U	U	U	U	U
4-Nitrophenol	NS	NS	U	U	U	U	U	U	U	U
Dibenzofuran	NS	NS	U	U	U	U	U	U	U	U
2,4-Dinitrotoluene	170,000	NS	U	U	U	U	U	U	U	U
Diethylphthalate	150,000,000	NS	U	U	U	U	U	U	2,200	U
Fluorene	7,200,000	100,000	U	U	51 J	48 J	79 J	U	43 J	U
4-Chlorophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U
4-Nitroaniline	760,000	NS	U	U	U	U	U	U	U	U
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U	U	U	U	U	U
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U	U	U	U	U	U
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U	U	U	U	U	U
4-Bromophenyl-phenylether	NS	NS	U	U	U	U	U	U	U	U
Hexachlorobenzene	21,000	NS	U	U	U	U	U	U	U	U
Atrazine	240,000	NS	U	U	U	U	U	U	U	U
Pentachlorophenol	100,000	2,400	U	U	U	U	U	U	U	U
Phenanthrene	NS	100,000	77 J	U	520	470	860	260	620	210
Anthracene	54,000,000	100,000	U	U	140 J	130 J	290	76 J	100 J	52 J
Carbazole	NS	NS	U	U	U	U	U	U	U	U
Di-n-butylphthalate	19,000,000	NS	U	U	U	U	U	U	U	U
Fluoranthene	7,200,000	100,000	120 J	U	890	720	1,400	350	710	320
Pyrene	5,400,000	100,000	140 J	U	1,100	990		460	660	410
Butylbenzylphthalate	29,000,000	NS	U	U	U	U	U	U	U	U
3,3-Dichlorobenzidine	120,000	NS	U	U	U	U	U	U	U	U
Benz(a)anthracene	16,000	1,000	62 J	U	580	530	1,100	230	320	180 J
Chrysene	1,600,000	1,000	82 J	U	650	610	1,100	280	330	220
Bis(2-ethylhexyl)phthalate	3,800,000	NS	U	U	77 J	74 J	690	U	U	U
Di-n-octyl phthalate	1,900,000	NS	U	U	U	U	U	U	U	U
Benz(b)fluoranthene	16,000	1,000	70 J	U	660	570	1,100	230	290	220
Benz(k)fluoranthene	160,000	1,000	U	U	200 J	210	410	79 J	100 J	57 J
Benz(a)pyrene	1,600	1,000	59 J	U	540	490	930	210	230	180 J
Indeno(1,2,3-cd)pyrene	16,000	500	U	U	290	260	490	110 J	120 J	100 J
Dibenzo(a,h)anthracene	1,600	330	U	U	93 J	86 J	160 J	U	U	42 J
Benzo(g,h,i)perylene	NS	100,000	U	U	330	290	530	130 J	110 J	120 J
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U	U	U	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.
All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg).

Value exceeds the NYSDEC RUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3E: Property P003 Validated Soil Analytical Results Summary Table - TCL SVOCs
Orchard Street Site
Newburgh, Orange County, New York
August 4, 2016

RST 3 Sample No.	P003-SS004-1218-01	P003-SS004-2430-01	RB-20160804
Sample Date	8/4/2016	8/4/2016	8/4/2016
Sample Depth (in.)	12-18	24-30	Rinsate Blank
Sample Matrix	Soil	Soil	DI Water
SVOC	¹ EPA RML	² NYSDEC RUSCO	
1,4-Dioxane	NS	NS	U
Benzaldehyde	23,000,000	NS	U
Phenol	NS	100,000	80 J
Bis(2-Chloroethyl)ether	23,000	NS	U
2-Chlorophenol	1,200,000	NS	U
2-Methylphenol	9,500,000	100,000	U
2,2-oxybis(1-Chloropropane)	NS	NS	U
Acetophenone	23,000,000	NS	U
4-Methylphenol	19,000,000	34,000	U
N-Nitroso-di-n-propylamine	7,800	NS	U
Hexachloroethane	130,000	NS	U
Nitrobenzene	380,000	NS	U
Isophorone	38,000,000	NS	U
2-Nitrophenol	NS	NS	U
2,4-Dimethylphenol	3,800,000	NS	U
Bis(2-Chloroethoxy)methane	570,000	NS	U
2,4-Dichlorophenol	570,000	NS	U
Naphthalene	380,000	100,000	U
4-Chloroaniline	270,000	NS	U
Hexachlorobutadiene	120,000	NS	U
Caprolactam	94,000,000	NS	U
4-Chloro-3-methylphenol	19,000,000	NS	U
2-Methylnaphthalene	720,000	NS	U
Hexachlorocyclopentadiene	5,300	NS	U
2,4,6-Trichlorophenol	190,000	NS	U
2,4,5-Trichlorophenol	19,000,000	NS	U
1,1-Biphenyl	140,000	NS	U
2-Chloronaphthalene	14,000,000	NS	U
2-Nitroaniline	1,900,000	NS	U
Dimethylphthalate	NS	NS	930
2,6-Dinitrotoluene	170,000	NS	U
Acenaphthylene	NS	100,000	61 J
3-Nitroaniline	NS	NS	U
Acenaphthene	11,000,000	100,000	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg). All aqueous analytical results presented in milligrams per liter ((µg/L)).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 3E: Property P003 Validated Soil Analytical Results Summary Table - TCL SVOCs

Orchard Street Site

Newburgh, Orange County, New York

August 4, 2016

	RST 3 Sample No.	P003-SS004-1218-01	P003-SS004-2430-01	RB-20160804	
SVOC	¹ EPA RML	² NYSDEC RUSCO			
2,4-Dinitrophenol	380,000	NS	U	U	U
4-Nitrophenol	NS	NS	U	U	U
Dibenzofuran	NS	NS	U	U	U
2,4-Dinitrotoluene	170,000	NS	U	U	U
Diethylphthalate	150,000,000	NS	U	U	U
Fluorene	7,200,000	100,000	U	U	U
4-Chlorophenyl-phenylether	NS	NS	U	U	U
4-Nitroaniline	760,000	NS	U	U	U
4,6-Dinitro-2-methylphenol	15,000	NS	U	U	U
N-Nitrosodiphenylamine	11,000,000	NS	U	U	U
1,2,4,5-Tetrachlorobenzene	70,000	NS	U	U	U
4-Bromophenyl-phenylether	NS	NS	U	U	U
Hexachlorobenzene	21,000	NS	U	U	U
Atrazine	240,000	NS	U	U	U
Pentachlorophenol	100,000	2,400	U	U	U
Phenanthrene	NS	100,000	180 J	U	U
Anthracene	54,000,000	100,000	40 J	U	U
Carbazole	NS	NS	U	U	U
Di-n-butylphthalate	19,000,000	NS	U	U	U
Fluoranthene	7,200,000	100,000	240	U	UJ
Pyrene	5,400,000	100,000	310	U	U
Butylbenzylphthalate	29,000,000	NS	U	U	U
3,3-Dichlorobenzidine	120,000	NS	U	U	U
Benzo(a)anthracene	16,000	1,000	150 J	U	U
Chrysene	1,600,000	1,000	170 J	U	U
Bis(2-ethylhexyl)phthalate	3,800,000	NS	U	U	U
Di-n-octyl phthalate	1,900,000	NS	U	U	U
Benzo(b)fluoranthene	16,000	1,000	160 J	U	U
Benzo(k)fluoranthene	160,000	1,000	47 J	U	U
Benzo(a)pyrene	1,600	1,000	140 J	U	U
Indeno(1,2,3-cd)pyrene	16,000	500	73 J	U	U
Dibenzo(a,h)anthracene	1,600	330	U	U	U
Benzo(g,h,i)perylene	NS	100,000	83 J	U	U
2,3,4,6-Tetrachlorophenol	5,700,000	NS	U	U	U

Notes:

TCL SVOC - Target Compound List Semivolatile Organic Compound.

No. - Number, in. - inches.

U - Not detected.

J - Estimated result.

R - Rejected result.

NS - Not specified.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in micrograms per kilogram (µg/kg). All aqueous analytical results presented in milligrams per liter ((µg/L).

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 4A: Paper Road PR001 Validated Soil Analytical Results Summary Table - TAL Metals
Orchard Street Site
Newburgh, Orange County, New York
August 1, 2016

RST 3 Sample No.	PR001-SS001-0002-01	PR001-SS001-0206-01	PR001-SS001-0612-01	PR001-SS002-0002-01	PR001-SS002-0206-01	PR001-SS002-0612-01	PR001-SS002-1218-01	PR001-SS002-2430-01	PR001-SS002-3642-01	PR001-SS003-0002-01
Sample Date	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/2/2016	8/1/2016
Sample Depth (in.)	0-2	2-6	6-12	0-2	2-6	6-12	12-18	24-30	36-42	0-2
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
TAL Metal	¹EPA RML	²NYSDEC RRUSCO								
Aluminum	77,000	NS	8,800	9,500	9,100	9,200	12,000	9,000	7,800	14,000
Antimony	31	NS	1.6 U	1.6 U	1.7 U	2.5 U	1.9 U	1.9	330	1.7 U
Arsenic	35	16	4.1	6.2	5.1	5.1	7.3	9.8	19	4.1
Barium	15,000	400	46	27	110	130	130	260	450	81
Beryllium	160	72	0.46	0.59	0.54	0.51	0.58	0.57	0.36	0.7
Cadmium	71	4.3	0.26	0.23 U	0.48	1.1	0.95	1.8	1.7	0.26 U
Calcium	NS	NS	16,000	6,600	49,000	8,300	2,100	12,000	18,000	2,000
Chromium	NS	NS	12	9.8	15	13	16	17	20	12
Cobalt	23	NS	8	12	6.6	7.3	9.5	12	7.6	6.5
Copper	3,100	270	28	18	85	33	49	81	200	11
Iron	55,000	NS	18,000	20,000	19,000	17,000	23,000	22,000	24,000	16,000
Lead	400	400	39	40	100	95	120	410	3,800	30
Magnesium	NS	NS	12,000	6,200	34,000	3,300	3,600	5,800	6,200	2,800
Manganese	1,800	2,000	570	960	510	560	640	760	520	580
Nickel	1,500	310	17	18	16	25	22	22	21	14
Potassium	NS	NS	560	600	600	710	600	730	750	340
Selenium	390	180	1.6 U	1.6 U	1.7 U	2.5 U	1.9 U	1.8 U	1.6 U	1.7 U
Silver	390	180	0.4 U	0.39 U	0.6	6.3	1.3	0.54	3.9	0.44 U
Sodium	NS	NS	110	78 U	190	120 U	96 U	120	210	87 U
Thallium	0.78	NS	1.6 U	1.6 U	1.7 U	2.5 U	1.9 U	1.8 U	1.6 U	1.7 U
Vanadium	390	NS	14	8.2	16	38	38	21	15	16
Zinc	23,000	10,000	73	65	150	140	170	570	460	49

RST 3 Sample No.	PR001-SS003-0206-01	PR001-SS003-0206-02	PR001-SS003-0612-01	PR001-SS003-1218-01	PR001-SS003-2430-01	PR001-SS003-3642-01	PR001-SS004-0002-01	PR001-SS004-0206-01	PR001-SS004-0612-01	PR001-SS004-1218-01
Sample Date	8/2/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016	8/1/2016
Sample Depth (in.)	2-6	2-6	6-12	12-18	24-30	36-42	0-2	2-6	6-12	12-18
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
TAL Metal	¹EPA RML	²NYSDEC RRUSCO								
Aluminum	77,000	NS	9,900	9,900	8,900	11,000	9,700	7,500	6,500	9,100
Antimony	31	NS	1.7 U	1.7 U	1.6 U	2.9	1.7 U	1.8 U	88	62
Arsenic	35	16	6.5	6.3	5.8	14	7.3	7.9	13	18
Barium	15,000	400	47	46	33	860	830	390	2,400	1,900
Beryllium	160	72	0.54	0.52	0.49	1.1	0.62	0.58	0.47	0.62
Cadmium	71	4.3	0.55	0.43	0.28	4	0.88	0.94	41	27
Calcium	NS	NS	7,300	3,300	4,500	21,000	24,000	16,000	10,000	4,700
Chromium	NS	NS	13	12	13	30	19	23	110	64
Cobalt	23	NS	8.2	8.8	8.6	11	11	10	8.9	11
Copper	3,100	270	22	21	22	180	60	2,600	130	90
Iron	55,000	NS	19,000	19,000	20,000	35,000	22,000	22,000	42,000	35,000
Lead	400	400	64	46	26	1,400	410	280	1,100	730
Magnesium	NS	NS	3,900	4,200	5,500	6,600	5,800	3,700	2,400	2,700
Manganese	1,800	2,000	530	550	560	1,100	560	420	430	480
Nickel	1,500	310	19	19	18	70	49	41	26	32
Potassium	NS	NS	580	570	670	1,200	780	720	810	800
Selenium	390	180	1.7 U	1.7 U	1.6 U	2.1	1.7 U	1.8 U	10	5.2
Silver	390	180	0.44 U	0.42 U	0.44	0.71	0.44 U	0.45 U	4	1.8
Sodium	NS	NS	87 U	85 U	82 U	460	110	130	130 U	93 U
Thallium	0.78	NS	1.7 U	1.7 U	1.6 U	2 U	1.7 U	1.8 U	2.5 U	1.9 U
Vanadium	390	NS	40	36	23	55	23	28	38	28
Zinc	23,000	10,000	80	73	59	950	820	360	2,100	1,500

Notes:

TAL Metals - Target Analyte List Metals.

RST 3 - Removal Support Team 3.

No. - Number, in. - inches.

U - Not detected.

J - Estimated value.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in milligrams per kilogram (mg/kg).

Value exceeds the EPA RML for Residential Soil.

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 4A: Paper Road PR001 Validated Soil Analytical Results Summary Table - TAL Metals
Orchard Street Site
Newburgh, Orange County, New York
August 1, 2016

RST 3 Sample No.		PR001-SS004-2430-01	PR001-SS004-3642-01	PR001-SS005-0002-01	PR001-SS005-0002-02	PR001-SS005-0206-01	PR001-SS005-0612-01	PR001-SS005-1218-01	PR001-SS005-2430-01	PR001-SS005-3642-01	PR001-SS006-0002-01	
TAL Metal	¹ EPA RML	² NYSDEC RRUSCO										
Aluminum	77,000	NS	8600	8400	8500	11000	8200	11000	10000	10000	9400	8700
Antimony	31	NS	260	260	1.9 U	2.1 U	2.3 U	2 U	1.8 U	1.6 U	1.7 U	2.7 U
Arsenic	35	16	21	21	4.8	5.5	4.8	3.9	2.6	4.2	4.3	5.5
Barium	15,000	400	2400	2000	63	65	90	73	58	43	49	89
Beryllium	160	72	0.61	0.62	0.57	0.61	0.5	0.63	0.53	0.51	0.48	0.73
Cadmium	71	4.3	97	94	0.85	0.73	3.2	0.52	0.27 U	0.36	0.56	1.2
Calcium	NS	NS	7500	7200	2300	2000	7000	2100	1600	1100	3400	6800
Chromium	NS	NS	180	190	9.1	11	9.4	11	10	15	26	11
Cobalt	23	NS	12	15	4.5	5	4.5	4.9	5	9.7	9.6	5.6
Copper	3,100	270	180	190	11	12	19	10	7.3	22	21	16
Iron	55,000	NS	55000	86000	13000	14000	11000	15000	13000	22000	19000	12000
Lead	400	400	1800	1600	33	37	65	26	10	11	17	67
Magnesium	NS	NS	2600	2700	2300	2600	2400	2500	3100	4500	4700	2500
Manganese	1,800	2,000	450	650	420	460	400	500	340	830	1000	1000
Nickel	1,500	310	41	50	11	12	16	11	11	20	25	20
Potassium	NS	NS	870	820	610	710	580	470	380	680	700	750
Selenium	390	180	15	11	1.9 U	2.1 U	3	2 U	1.8 U	1.6 U	1.7 U	2.7 U
Silver	390	180	4	3.5	0.65	0.51 U	4.4	0.51 U	0.44 U	0.41 U	0.43 U	7.3
Sodium	NS	NS	150	170	97 U	100 U	120 U	100 U	89 U	81 U	86 U	140 U
Thallium	0.78	NS	2.1 U	2 U	1.9 U	2.1 U	2.3 U	2 U	1.8 U	1.6 U	1.7 U	2.7 U
Vanadium	390	NS	28	28	23	27	31	19	14	16	17	45
Zinc	23,000	10,000	3400	3800	93	97	310	78	43	66	76	75

RST 3 Sample No.		PR001-SS006-0206-01	PR001-SS006-0612-01	PR001-SS006-1218-01	PR001-SS006-2430-01	PR001-SS006-3642-01	RB-20160801	
TAL Metal	¹ EPA RML	² NYSDEC RRUSCO						
Aluminum	77,000	NS	10000	10000	12000	14000	18000	100 U
Antimony	31	NS	2.4 U	2.1 U	1.8 U	1.8 U	1.8 U	20 U
Arsenic	35	16	7.9	7.4	6.2	25	29	8 U
Barium	15,000	400	80	71	56	60	73	100 U
Beryllium	160	72	0.79	0.8	0.87	1	1.3	3 U
Cadmium	71	4.3	1.1	0.57	0.28 U	0.27 U	0.28 U	3 U
Calcium	NS	NS	4900	4800	6400	4600	4100	500 U
Chromium	NS	NS	13	13	16	23	30	5 U
Cobalt	23	NS	6.4	6	7	17	21	20 U
Copper	3,100	270	16	13	9.2	17	18	10 U
Iron	55,000	NS	15000	14000	17000	28000	34000	50 U
Lead	400	400	77	49	20	25	27	8 U
Magnesium	NS	NS	2600	3100	5500	4800	5000	500 U
Manganese	1,800	2,000	950	930	670	610	690	5 U
Nickel	1,500	310	21	16	15	31	34	20 U
Potassium	NS	NS	630	470	460	680	830	500 U
Selenium	390	180	2.4 U	2.1 U	1.8 U	1.8 U	1.8 U	20 U
Silver	390	180	5.9	2.1	0.46 U	0.46 U	0.46 U	5 U
Sodium	NS	NS	120 U	100 U	92 U	91 U	110	1000 U
Thallium	0.78	NS	2.4 U	2.1 U	1.8 U	1.8 U	1.8 U	20 U
Vanadium	390	NS	49	32	22	29	35	20 U
Zinc	23,000	10,000	81	64	49	150	160	20 UJ

Notes:

TAL Metals - Target Analyte List Metals.
RST 3 - Removal Support Team 3.

No. - Number, in. - inches.

U - Not detected.

J - Estimated value.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in milligrams per kilogram (mg/kg). All aqueous analytical results presented in milligrams per liter (mg/L).

Value exceeds the EPA RML for Residential Soil.

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 4B: Paper Road PR002 Validated Soil Analytical Results Summary Table - TAL Metals
Orchard Street Site
Newburgh, Orange County, New York
August 2, 2016

RST 3 Sample No.		PR002-SS001-0002-01	PR002-SS001-0206-01	PR002-SS001-0612-01	PR002-SS001-1218-01	PR002-SS001-2430-01	PR002-SS001-2430-02	PR002-SS001-3642-01	PR002-SS002-0002-01	PR002-SS002-0206-01	PR002-SS002-0612-01
TAL Metal	¹ EPA RML	² NYSDEC RRUSCO									
Aluminum	77,000	NS	12,000	13,000	14,000	12,000	16,000	16,000	11,000	12,000	13,000
Antimony	31	NS	1.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.6 U	1.9 U	1.9 U	1.8 U
Arsenic	35	16	5.2	4.6	4.8	5.9	5.3	5.4	6.9	6.4	6.3
Barium	15,000	400	60	63	63	66	50	53	38	77	78
Beryllium	160	72	0.61	0.59	0.6	0.61	0.45	0.47	0.53	0.64	0.64
Cadmium	71	4.3	0.28 U	0.26 U	0.25 U	0.25 U	0.26 U	0.24 U	0.29 U	0.29 U	0.32
Calcium	NS	NS	12,000	6,300	4,500	6,900	1,200	1,900	1,100	8,300	4,900
Chromium	NS	NS	12	13	19	14	16	16	19	12	13
Cobalt	23	NS	7.4	7.4	7.6	8.1	8.4	8.6	10	7.2	7.1
Copper	3,100	270	16	14	16	18	13	14	21	18	16
Iron	55,000	NS	18,000	18,000	19,000	20,000	21,000	21,000	24,000	17,000	17,000
Lead	400	400	27	39	43	28	12	12	56	51	47
Magnesium	NS	NS	9,400	5,900	5,400	6,600	3,500	4,400	4,700	5,900	3,900
Manganese	1,800	2,000	590	560	560	710	340	400	570	690	750
Nickel	1,500	310	15	15	19	17	15	15	21	16	15
Potassium	NS	NS	470	420	490	480	460	490	580	630	510
Selenium	390	180	1.9 U	1.7 U	1.7 U	1.7 U	1.7 U	1.6 U	1.9 U	1.9 U	1.8 U
Silver	390	180	0.6	0.43 U	0.42 U	0.42 U	0.42 U	0.43 U	0.4 U	2.1	2.3
Sodium	NS	NS	95 U	88	90	84 U	84 U	87 U	81 U	96 U	96 U
Thallium	0.78	NS	1.9 U	1.7 U	1.7 U	1.7 UJ	1.7 U	1.7 U	1.6 U	1.9 U	1.8 U
Vanadium	390	NS	20	23	25	21	22	23	20	25	25
Zinc	23,000	10,000	56	57	67	56 J	44	43	51	76	68

RST 3 Sample No.		PR002-SS002-1218-01	PR002-SS002-2430-01	PR002-SS002-3642-01	PR002-SS003-0002-01	PR002-SS003-0206-01	PR002-SS003-0206-02	PR002-SS003-0612-1	PR002-SS003-1218-01	PR002-SS003-2430-01	PR002-SS003-3642-01
TAL Metal	¹ EPA RML	² NYSDEC RRUSCO									
Aluminum	77,000	NS	16,000	16,000	16,000	13,000	15,000	14,000	13,000	11,000	11,000
Antimony	31	NS	1.9 U	1.8 U	1.6 U	2.3 U	2 U	1.9 U	1.8 U	1.7 U	1.8 U
Arsenic	35	16	5.8	4.6	6.2	5.3	5.8	5.6	5.5	7.7	10
Barium	15,000	400	91	55	39	79	72	75	71	53	51
Beryllium	160	72	0.88	0.49	0.52	0.64	0.68	0.69	0.6	0.63	0.79
Cadmium	71	4.3	0.28 U	0.27 U	0.25 U	0.34 U	0.3 U	0.29 U	0.27 U	0.25 U	0.26 U
Calcium	NS	NS	1,400	580	630	3,900	1,600	1,800	590	400	1,400
Chromium	NS	NS	13	14	16	13	15	14	13	15	17
Cobalt	23	NS	6.3	7.8	9.9	7.5	8.4	9	8.3	8.5	8.7
Copper	3,100	270	12	9.8	15	12	11	11	10	16	20
Iron	55,000	NS	16,000	19,000	23,000	19,000	21,000	21,000	22,000	23,000	26,000
Lead	400	400	34	9.9	11	36	28	30	15	16	26
Magnesium	NS	NS	2,800	3,100	4,100	2,900	2,900	2,900	2,600	3,200	3,000
Manganese	1,800	2,000	1,200	440	540	1,000	1,100	1,300	1,100	560	660
Nickel	1,500	310	16	14	18	17	17	16	14	17	19
Potassium	NS	NS	360	410	500	600	540	530	470	440	570
Selenium	390	180	1.9 U	1.8 U	1.6 U	2.3 U	2 U	1.9 U	1.8 U	1.7 U	1.8 U
Silver	390	180	1.1	0.45 U	0.41 U	3.2	1.7	1.8	0.45 U	0.42 U	0.45 U
Sodium	NS	NS	93 U	90 U	82 U	110 U	99 U	97 U	91 U	85 U	86 U
Thallium	0.78	NS	1.9 U	1.8 U	1.6 U	2.3 U	2 U	1.9 U	1.8 U	1.7 U	1.7 U
Vanadium	390	NS	28	20	20	37	34	35	20	21	25
Zinc	23,000	10,000	64	46	48	63	59	58	48	46	52

Notes:

TAL Metals - Target Analyte List Metals.

RST 3 - Removal Support Team 3.

No. - Number, in. - inches.

U - Not detected.

J - Estimated value.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Restricted-Residential Use Soil Cleanup Objective (RRUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RRUSCO presented in milligrams per kilogram (mg/kg).

Value exceeds the EPA RML for Residential Soil.

Value exceeds the NYSDEC RRUSCO.

Value exceeds both the NYSDEC RRUSCO and EPA RML for Residential Soil.

Table 4B: Paper Road PR002 Validated Soil Analytical Results Summary Table - TAL Metals
Orchard Street Site
Newburgh, Orange County, New York
August 2, 2016

		RST 3 Sample No.	PR002-SS004-0002-01	PR002-SS004-0206-01	PR002-SS004-0612-01	PR002-SS004-1218-01	PR002-SS004-2430-01	PR002-SS004-3642-01	PR002-SS005-0002-01	PR002-SS005-0206-01	PR002-SS005-0612-01	PR002-SS005-1218-01
TAL Metal	¹ EPA RML	² NYSDEC RUSCO										
Aluminum	77,000	NS	8700	14000	14000	13000	13000	13000	13000	16000	16000	15000
Antimony	31	NS	2.6 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U	1.7 U	1.6 U
Arsenic	35	16	6.7	6.2	6.1	12	12	12	4.4	5.6	6	6.2
Barium	15,000	400	92	78	80	52	51	57	54	49	50	32
Beryllium	160	72	0.73	0.74	0.71	1	1	1.1	0.48	0.5	0.48	0.56
Cadmium	71	4.3	0.47	0.27 U	0.28 U	0.28 UJ	0.28 U	0.28 U	0.29 U	0.28 U	0.26 U	0.24 U
Calcium	NS	NS	9500	1300	1500	1200	7300	1600	2600	920	520	310
Chromium	NS	NS	11	14	14	19	21	22	12	15	15	16
Cobalt	23	NS	5.9	7.2	7.4	8.9	9.5	8.7	5.9	8	9.1	10
Copper	3,100	270	16	12	11	30	28	36	11	13	14	19
Iron	55,000	NS	16000	19000	19000	27000 J	26000	28000	16000	20000	22000	24000
Lead	400	400	52	29	22	45 J	42	28	22	18	12	11
Magnesium	NS	NS	2400	3000	2900	3000	6800	3600	2600	3100	3300	4600
Manganese	1,800	2,000	1100	910	760	610	580	580	380	360	370	590
Nickel	1,500	310	17	16	15	19	21	20	14	15	16	19
Potassium	NS	NS	570	580	520	860	1100	1200	420	420	430	510
Selenium	390	180	2.6 U	1.8 U	1.8 U	1.8 U	1.9 U	1.9 U	1.9 U	1.9 U	1.7 U	1.6 U
Silver	390	180	4.2	0.72	0.46 U	0.46 U	0.47 U	0.47 U	3.4	1.1	0.43 U	0.41 U
Sodium	NS	NS	130 U	90 U	92 U	92 U	95 U	95 U	96 U	93 U	85 U	82 U
Thallium	0.78	NS	2.6 U	1.8 U	1.8 U	1.8 UJ	1.9 U	1.9 U	1.9 U	1.9 U	1.7 U	1.6 U
Vanadium	390	NS	38	27	24	31	32	32	34	33	24	20
Zinc	23,000	10,000	72	51	46	46 J	40	39	49	50	47	51

		RST 3 Sample No.	PR002-SS005-2430-01	PR002-SS005-3642-01	PR002-SS006-0002-01	PR002-SS006-0206-01	PR002-SS006-0612-01	PR002-SS006-1218-01	PR002-SS006-2430-01	RB-20160802
TAL Metal	¹ EPA RML	² NYSDEC RUSCO								
Aluminum	77,000	NS	14000	14000	11000	13000	13000	14000	14000	100 U
Antimony	31	NS	1.6 U	1.7 U	2.2 U	1.8 U	1.8 U	1.7 U	1.7 U	20 U
Arsenic	35	16	6.8	5.9	6	7.5	7.6	7.3	6.6	8 U
Barium	15,000	400	32	33	85	64	61	47	46	100 U
Beryllium	160	72	0.5	0.5	0.71	0.71	0.7	0.75	0.69	3 U
Cadmium	71	4.3	0.24 U	0.25 U	0.34	0.27 U	0.27 U	0.26 U	0.26 U	3 U
Calcium	NS	NS	390	370	6200	860	1200	870	2100	500 U
Chromium	NS	NS	14	15	12	14	13	16	15	5 U
Cobalt	23	NS	9.4	9.6	5.9	7.5	8	11	8.7	20 U
Copper	3,100	270	20	21	14	13	13	14	12	10 U
Iron	55,000	NS	22000	23000	15000	19000	22000	24000	23000	50 U
Lead	400	400	11	10	47	28	28	14	13	8 U
Magnesium	NS	NS	3900	4400	2700	3000	3400	3100	3800	500 U
Manganese	1,800	2,000	540	490	710	480	530	500	440	5 U
Nickel	1,500	310	17	20	19	17	17	17	16	20 U
Potassium	NS	NS	460	530	570	390	370	450	350	500 U
Selenium	390	180	1.6 U	1.7 U	2.2 U	1.8 U	1.8 U	1.7 U	1.7 U	20 U
Silver	390	180	0.41 U	0.42 U	6.1	0.45 U	0.94	0.43 U	0.44 U	5 U
Sodium	NS	NS	82 U	83 U	110 U	90 U	89 U	85 U	87 U	1000 U
Thallium	0.78	NS	1.6 U	1.7 U	2.2 U	1.8 U	1.8 U	1.7 U	1.7 U	20 U
Vanadium	390	NS	19	19	42	26	27	25	23	20 U
Zinc	23,000	10,000	44	49	79	56	55	44	42	20 UJ

Notes:

TAL Metals - Target Analyte List Metals.

RST 3 - Removal Support Team 3.

No. - Number, in. - inches.

U - Not detected.

J - Estimated value.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in milligrams per kilogram (mg/kg). All aqueous analytical results presented in milligrams per liter (mg/L).

Value exceeds the EPA RML for Residential Soil.

Value exceeds the NYSDEC RUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 4C: Property P001 Validated Soil Analytical Results Summary Table - TAL Metals
Orchard Street Site
Newburgh, Orange County, New York
August 3, 2016

		RST 3 Sample No.	P001-SS001-0002-01	P001-SS001-0206-01	P001-SS001-0612-01	P001-SS001-1218-01	P001-SS001-2430-01	P001-SS002-0002-01	P001-SS002-0206-01	P001-SS002-0612-01	P001-SS002-1218-01	P001-SS002-2430-01
TAL Metal	¹ EPA RML	² NYSDEC RUSCO										
Aluminum	77,000	NS	9,100	9,900	11,000	11,000	9,400	11,000	8,500	9,600	9,600	2,600
Antimony	31	NS	1.6 U	1.6 U	1.7 U	11	3.6	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U
Arsenic	35	16	5.1	5.6	6.3	9.1	6	5.8	4.5	5.6	6.1	3.8
Barium	15,000	350	35	86	130	670	310	38	29	38	38	16
Beryllium	160	14	0.45	0.51	0.54	0.51	0.45	0.5	0.43	0.53	0.57	0.52
Cadmium	71	2.5	0.24 U	0.24 U	0.53	1.6	0.79	0.24 U	0.25 U	0.24 U	0.24 U	0.24 U
Calcium	NS	NS	12,000	19,000	22,000	26,000	13,000	10,000	8,900	21,000	44,000	150,000
Chromium	NS	NS	12	13	16	36	19	14	11	13	13	5.6
Cobalt	23	NS	9.2	8.2	8.3	11	6.4	9.6	9.9	8.3	7.8	3.2
Copper	3,100	270	33	37	62	320	240	23	19	21	20	7.6
Iron	55,000	NS	19,000	19,000	22,000	43,000	21,000	21,000	17,000	19,000	18,000	7,500
Lead	400	400	12	96	120	560	230	10	9.2	14	13	7.7
Magnesium	NS	NS	6,200	10,000	15,000	13,000	7,300	4,800	5,800	14,000	28,000	88,000
Manganese	1,800	2,000	680	540	560	730	530	620	610	570	540	240
Nickel	1,500	140	19	18	20	42	20	21	18	18	16	8.1
Potassium	NS	NS	530	570	530	920	550	650	500	560	570	320
Selenium	390	36	1.6 U	1.6 U	1.7 U	1.6 U	1.7 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U
Silver	390	36	0.41 U	0.4 U	0.62	2.5	1.3	0.4 U	0.41 U	0.39 U	0.4 U	0.39 U
Sodium	NS	NS	81 U	80 U	170	980	220	80 U	83 U	78 U	80 U	150
Thallium	0.78	NS	1.6 U	1.6 U	1.7 U	1.6 U	1.7 U	1.6 U	1.7 U	1.6 U	1.6 U	1.6 U
Vanadium	390	NS	13	15	17	18	16	14	12	15	16	8.1
Zinc	23,000	2,200	53	96	530	830	370	56	46	52	44	17

		RST 3 Sample No.	P001-SS002-3642-01	P001-SS003-0002-01	P001-SS003-0206-01	P001-SS003-0612-01	P001-SS003-1218-01	RB-20160803
TAL Metal	¹ EPA RML	² NYSDEC RUSCO						
Aluminum	77,000	NS	13,000	11,000	9,800	8,700	8,100	100 U
Antimony	31	NS	19	1.6 U	1.6 U	1.6 U	1.6 U	20 U
Arsenic	35	16	18	5.8	6.1	5.6	6.4	8 U
Barium	15,000	350	1,200	43	51	37	41	100 U
Beryllium	160	14	0.45	0.54	0.57	0.52	0.62	3 U
Cadmium	71	2.5	2.9	0.24	0.24 U	0.24 U	0.24 U	3 U
Calcium	NS	NS	36,000	32,000	31,000	36,000	59,000	500 U
Chromium	NS	NS	48	17	14	12	12	5 U
Cobalt	23	NS	12	9.1	9.5	7.3	6.9	20 U
Copper	3,100	270	630	32	30	22	21	10 U
Iron	55,000	NS	59,000	21,000	19,000	18,000	17,000	50 U
Lead	400	400	1100	19	22	19	18	8 U
Magnesium	NS	NS	13,000	11,000	17,000	21,000	39,000	500 U
Manganese	1,800	2,000	900	630	670	510	460	5 U
Nickel	1,500	140	51	21	20	17	15	20 U
Potassium	NS	NS	1,400	800	720	650	590	500 U
Selenium	390	36	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	20 U
Silver	390	36	3.3	0.39 U	0.4 U	0.39 U	0.4 U	5 U
Sodium	NS	NS	1,500	83	79 U	99	150	1,000 U
Thallium	0.78	NS	1.7 U	1.6 U	1.6 U	1.6 U	1.6 U	20 U
Vanadium	390	NS	18	17	17	15	15	20 U
Zinc	23,000	2,200	1,200	76	72	57	50	20 U

Notes:

TAL Metals - Target Analyte List Metals.

RST 3 - Removal Support Team 3.

No. - Number, in. - inches.

U - Not detected.

J - Estimated value.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in milligrams per kilogram (mg/kg). All aqueous analytical results presented in milligrams per liter (mg/L).

Value exceeds the EPA RML for Residential Soil.

Value exceeds the NYSDEC RUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 4D: Property P002 Validated Soil Analytical Results Summary Table - TAL Metals
Orchard Street Site
Newburgh, Orange County, New York
August 3 and 4, 2016

		RST 3 Sample No.	P002-SS001-0002-01	P002-SS001-0206-01	P002-SS001-0612-01	P002-SS001-0612-02	P002-SS001-1218-01	P002-SS002-0002-01	P002-SS002-0206-01	P002-SS002-0612-01	P002-SS002-1218-01	P002-SS002-2430-01
TAL Metal	¹ EPA RML	² NYSDEC RUSCO										
Aluminum	77,000	NS	12,000	11,000	11,000	11,000	12,000	12,000	13,000	14,000	13,000	14,000
Antimony	31	NS	1.8 U	1.7 U	1.6 U	4	1.7 U	1.9 U	1.7 U	1.8 U	1.7	1.8 U
Arsenic	35	16	5.8	5.6	5.9	5.4	6	8.1	7.1	7.1	6.4	4
Barium	15,000	350	87	120	91	70	92	200	220	380	260	81
Beryllium	160	14	0.57	0.6	0.6	0.6	0.53	0.59	0.64	0.63	0.63	0.68
Cadmium	71	2.5	0.34	0.26	0.31	0.24 U	0.26	0.61	0.64	0.83	0.64	0.26 U
Calcium	NS	NS	10,000	25,000	15,000	20,000	9,100	5,800	8,600	9,800	17,000	1,800
Chromium	NS	NS	13	13	13	42	15	16	16	19	17	12
Cobalt	23	NS	7.8	7.5	7.7	9	8.4	7.6	7.6	7.9	8.2	6.3
Copper	3,100	270	41	37	35	37	58	180	96	130	92	11
Iron	55,000	NS	19,000	19,000	20,000	20,000	25,000	25,000	22,000	24,000	21,000	17,000
Lead	400	400	58	56	55	160	55	140	160	180	140	28
Magnesium	NS	NS	8,700	17,000	11,000	15,000	7,500	5,100	6,700	6,400	11,000	3,500
Manganese	1,800	2,000	640	560	550	620	630	660	670	660	650	560
Nickel	1,500	140	17	16	17	18	18	20	23	26	20	15
Potassium	NS	NS	520	490	470	500	530	530	540	810	750	390
Selenium	390	36	1.8 U	1.7 U	1.6 U	1.6 U	1.7 U	1.9 UJ	1.7 U	1.8 U	1.7 U	1.8 U
Silver	390	36	0.7	0.64	0.41 U	0.4 U	0.43 U	1.5	1.2	1.5	0.86	0.44 U
Sodium	NS	NS	88 U	84 U	81 U	80 U	87 U	93 U	110	450	560	88 U
Thallium	0.78	NS	1.8 U	1.7 U	1.6 U	1.6 U	1.7 UJ	1.9 U	1.7 U	1.8 U	1.7 U	1.8 U
Vanadium	390	NS	19	18	17	17	19	24	23	22	19	16
Zinc	23,000	2,200	94	110	100	89	100	200 J	230	310	280	44

		RST 3 Sample No.	P002-SS002-3642-01	P002-SS003-0002-01	P002-SS003-0206-01	P002-SS003-0612-01	P002-SS003-1218-01	P002-SS003-2430-01	P002-SS003-3642-01	P002-SS004-0002-01	P002-SS004-0206-01	P002-SS004-0612-01
TAL Metal	¹ EPA RML	² NYSDEC RUSCO										
Aluminum	77,000	NS	14,000	14,000	15,000	14,000	14,000	14,000	13,000	13,000	13,000	12,000
Antimony	31	NS	1.7 U	2.3	3.4	3	4.9	1.7 U	2 U	1.7 U	1.7 U	7.4
Arsenic	35	16	5.3	6.8	14	17	8.3	5.6	6.4	5.9	6.1	6.9
Barium	15,000	350	88	290	600	410	490	56	93	85	93	84
Beryllium	160	14	0.47	0.61	0.6	0.58	0.63	0.39	0.57	0.63	0.6	0.6
Cadmium	71	2.5	0.25	0.65	1.2	1.2	1.3	0.26 U	0.31	0.31	0.35	0.31
Calcium	NS	NS	1,400	7,400	10,000	11,000	11,000	2,000	2,500	15,000	16,000	23,000
Chromium	NS	NS	16	17	24	23	22	14	13	13	14	14
Cobalt	23	NS	8.9	8.4	8.9	9.3	8.6	7.4	7.9	7.7	7.8	7.6
Copper	3,100	270	34	93	280	230	220	18	33	27	35	33
Iron	55,000	NS	22,000	23,000	27,000	29,000	25,000	20,000	19,000	20,000	21,000	20,000
Lead	400	400	46	160	320	280	270	23	51	63	60	73
Magnesium	NS	NS	4,000	5,600	5,700	6,800	5,700	3,600	3,300	11,000	12,000	16,000
Manganese	1,800	2,000	520	720	700	730	740	290	510	930	600	560
Nickel	1,500	140	18	20	28	24	23	13	19	16	18	18
Potassium	NS	NS	430	620	830	710	760	360	590	480	480	500
Selenium	390	36	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	2 U	1.7 U	1.7 U	1.7 U
Silver	390	36	0.42 U	1.1	1.5	1.2	1.5	0.44 U	0.62	0.67	0.74	0.64
Sodium	NS	NS	84 U	160	660	390	370	87 U	98 U	86 U	85 U	84 U
Thallium	0.78	NS	1.7 U	1.8 U	1.7 U	1.7 U	1.7 U	1.7 U	2 U	1.7 U	1.7 U	1.7 U
Vanadium	390	NS	17	21	20	19	19	19	21	21	21	19
Zinc	23,000	2,200	110	240	520	440	760	55	96	78	100	170

Notes:

TAL Metals - Target Analyte List Metals.

RST 3 - Removal Support Team 3.

No. - Number, in. - inches.

U - Not detected.

J - Estimated value.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in milligrams per kilogram (mg/kg).

Value exceeds the EPA RML for Residential Soil.

Value exceeds the NYSDEC RUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 4D: Property P002 Validated Soil Analytical Results Summary Table - TAL Metals
Orchard Street Site
Newburgh, Orange County, New York
August 3 and 4, 2016

		RST 3 Sample No.	P002-SS004-1218-01	RB-20160803	RB-20160804
Sample Date	8/4/2016		8/3/2016	8/4/2016	
Sample Depth (in.)		12-18	Rinsate Blank	Rinsate Blank	
Sample Matrix		Soil	Aqueous	Aqueous	
TAL Metal	¹ EPA RML	² NYSDEC RUSCO			
Aluminum	77,000	NS	12,000	100 U	100 U
Antimony	31	NS	1.7 U	20 U	20 U
Arsenic	35	16	5.6	8 U	8 U
Barium	15,000	350	83	100 U	100 U
Beryllium	160	14	0.58	3 U	3 U
Cadmium	71	2.5	0.33	3 U	3 U
Calcium	NS	NS	19,000	500 U	500 U
Chromium	NS	NS	13	5 U	5 U
Cobalt	23	NS	7.3	20 U	20 U
Copper	3,100	270	36	10 U	10 U
Iron	55,000	NS	18,000	50 U	50 U
Lead	400	400	46	8 U	8 U
Magnesium	NS	NS	12,000	500 U	500 U
Manganese	1,800	2,000	560	5 U	5 U
Nickel	1,500	140	16	20 U	20 U
Potassium	NS	NS	470	500 U	500 U
Selenium	390	36	1.7 U	20 U	20 U
Silver	390	36	0.51	5 U	5 U
Sodium	NS	NS	85	1000 U	1000 U
Thallium	0.78	NS	1.7 U	20 U	20 U
Vanadium	390	NS	19	20 U	20 U
Zinc	23,000	2,200	89	20 U	20 U

Notes:

TAL Metals - Target Analyte List Metals.

RST 3 - Removal Support Team 3.

No. - Number, in. - inches.

U - Not detected.

J - Estimated value.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in milligrams per kilogram (mg/kg). All aqueous analytical results presented in milligrams per liter (mg/L).

Value exceeds the EPA RML for Residential Soil.

Value exceeds the NYSDEC RUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 4E: Property P003 Validated Soil Analytical Results Summary Table - TAL Metals
Orchard Street Site
Newburgh, Orange County, New York
August 4, 2016

RST 3 Sample No.	P003-SS001-0002-01	P003-SS001-0206-01	P003-SS001-0612-01	P003-SS001-1218-01	P003-SS001-1218-02	P003-SS001-2430-01	P003-SS002-0002-01	P003-SS002-0206-01	P003-SS002-0612-01	P003-SS002-1218-01
Sample Date	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016
Sample Depth (in.)	0-2	2-6	6-12	12-18	12-18	24-30	0-2	2-6	6-12	12-18
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
TAL Metal	¹EPA RML	²NYSDEC RUSCO								
Aluminum	77,000	NS	13,000	12,000	11,000	11,000	14,000	14,000	14,000	15,000
Antimony	31	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.6 U	1.7 U	1.8 U	6.4
Arsenic	35	16	5.8	5.5	5.4	5.7	5.4	5.4	11	7.7
Barium	15,000	350	72	67	55	53	55	43	110	110
Beryllium	160	14	0.62	0.59	0.58	0.57	0.58	0.57	0.66	0.69
Cadmium	71	2.5	0.32	0.28	0.25	0.26	0.25 U	0.25 U	0.39	0.42
Calcium	NS	NS	6,400	16,000	26,000	28,000	23,000	30,000	15,000	8,600
Chromium	NS	NS	13	12	12	12	12	12	15	15
Cobalt	23	NS	7.9	7.1	7	6.9	7.2	7.1	9.1	9.1
Copper	3,100	270	19	21	20	23	20	17	41	43
Iron	55,000	NS	19,000	18,000	18,000	18,000	18,000	20,000	21,000	21,000
Lead	400	400	40	39	24	29	23	1,100	71	74
Magnesium	NS	NS	6,000	12,000	18,000	19,000	16,000	21,000	11,000	7,800
Manganese	1,800	2,000	650	600	520	510	560	470	700	710
Nickel	1,500	140	17	16	15	15	15	21	18	18
Potassium	NS	NS	430	440	430	430	510	570	610	540
Selenium	390	36	1.7 U	1.7 U	1.7 U	1.7 U	1.6 U	1.7 U	1.8 U	1.7 U
Silver	390	36	0.84	0.68	0.5	0.42 U	0.42	0.41 U	0.66	0.77
Sodium	NS	NS	87 U	86 U	84 U	84 U	84 U	86 U	89 U	84 U
Thallium	0.78	NS	1.7 U	1.7 U	1.7 U	1.7 UJ	1.7 U	1.6 U	1.8 U	1.7 U
Vanadium	390	NS	21	20	19	18	19	18	22	23
Zinc	23,000	2,200	65	62	52	57 J	54	44	110	110

RST 3 Sample No.	P003-SS002-2430-01	P003-SS002-3642-01	P003-SS003-0002-01	P003-SS003-0206-01	P003-SS003-0612-01	P003-SS003-1218-01	P003-SS003-2430-01	P003-SS004-0002-01	P003-SS004-0206-01	P003-SS004-0612-01
Sample Date	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016	8/4/2016
Sample Depth (in.)	24-30	36-42	0-2	2-6	6-12	12-18	24-30	0-2	2-6	6-12
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
TAL Metal	¹EPA RML	²NYSDEC RUSCO								
Aluminum	77,000	NS	16,000	15,000	14,000	14,000	14,000	15,000	13,000	13,000
Antimony	31	NS	1.7 U	1.7 U	1.7	720	1.8 U	1.8 U	1.7 U	1.7 U
Arsenic	35	16	5.3	6.3	6.8	25	6.2	6.6	4.6	5.6
Barium	15,000	350	54	39	280	170	150	220	49	62
Beryllium	160	14	0.48	0.47	0.64	0.62	0.64	0.57	0.51	0.59
Cadmium	71	2.5	0.26 U	0.26 U	0.74	0.76	0.53	0.42	0.27 U	0.28
Calcium	NS	NS	2,700	610	7,300	9,600	10,000	6,900	2,400	14,000
Chromium	NS	NS	15	15	17	16	16	16	15	14
Cobalt	23	NS	8.7	8.9	8.1	7.7	8	8.6	7.4	7.9
Copper	3,100	270	13	16	87	130	67	50	18	24
Iron	55,000	NS	19,000	22,000	23,000	21,000	21,000	19,000	19,000	20,000
Lead	400	400	16	11	200	18,000	82	61	25	34
Magnesium	NS	NS	3,700	4,000	5,700	7,200	7,700	6,600	4,300	21,000
Manganese	1,800	2,000	490	430	690	660	670	650	630	550
Nickel	1,500	140	14	18	21	20	19	19	17	17
Potassium	NS	NS	500	570	710	630	640	740	580	600
Selenium	390	36	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.7 U	1.7 U
Silver	390	36	0.43 U	0.43 U	1.8	2.3	1.3	0.68	0.46 U	0.43 U
Sodium	NS	NS	86 U	87 U	110	87 U	89 U	88 U	91 U	85 U
Thallium	0.78	NS	1.7 U	1.7 U	1.7 U	1.7 U	1.8 U	1.8 U	1.7 U	1.7 U
Vanadium	390	NS	22	20	25	21	23	24	23	20
Zinc	23,000	2,200	51	52	240	200	140	180	64	65

Notes:

TAL Metals - Target Analyte List Metals.

RST 3 - Removal Support Team 3.

No. - Number, in. - inches.

U - Not detected.

J - Estimated value.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in milligrams per kilogram (mg/kg).

Value exceeds the EPA RML for Residential Soil.

Value exceeds the NYSDEC RUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.

Table 4E: Property P003 Validated Soil Analytical Results Summary Table - TAL Metals
Orchard Street Site
Newburgh, Orange County, New York
August 4, 2016

		RST 3 Sample No.	P003-SS004-1218-01	P003-SS004-2430-01	RB-20160804
Sample Date	8/4/2016	8/4/2016	8/4/2016		
Sample Depth (in.)	12-18	24-30	Rinsate Blank		
Sample Matrix	Soil	Soil	Aqueous		
TAL Metal	¹ EPA RML	² NYSDEC RUSCO			
Aluminum	77,000	NS	12,000	12,000	100 U
Antimony	31	NS	1.6 U	1.6 U	20 U
Arsenic	35	16	6	6.3	8 U
Barium	15,000	350	46	44	100 U
Beryllium	160	14	0.59	0.74	3 U
Cadmium	71	2.5	0.27	0.25 U	3 U
Calcium	NS	NS	21,000	36,000	500 U
Chromium	NS	NS	13	16	5 U
Cobalt	23	NS	8.2	6.7	20 U
Copper	3,100	270	22	19	10 U
Iron	55,000	NS	19,000	19,000	50 U
Lead	400	400	26	11	8 U
Magnesium	NS	NS	15,000	24,000	500 U
Manganese	1,800	2,000	560	660	5 U
Nickel	1,500	140	16	16	20 U
Potassium	NS	NS	650	640	500 U
Selenium	390	36	1.6 U	1.6 U	20 U
Silver	390	36	0.4 U	0.41 U	5 U
Sodium	NS	NS	80 U	82 U	1,000 U
Thallium	0.78	NS	1.6 U	1.6 U	20 U
Vanadium	390	NS	19	21	20 U
Zinc	23,000	2,200	56	40	20 U

Notes:

TAL Metals - Target Analyte List Metals.

RST 3 - Removal Support Team 3.

No. - Number, in. - inches.

U - Not detected.

J - Estimated value.

¹U.S. Environmental Protection Agency (EPA) Regional Management Levels (RMLs) for Residential Soil corresponding to either a 10⁻⁴ risk level for carcinogens or a hazard quotient (HQ) of 3 for non-carcinogens, May 2016.

²New York State Department of Environmental Conservation (NYSDEC) Residential Use Soil Cleanup Objective (RUSCO), December 14, 2006.

All soil analytical results, EPA RML, and NYSDEC RUSCO presented in milligrams per kilogram (mg/kg). All aqueous analytical results presented in milligrams per liter (mg/L).

Value exceeds the EPA RML for Residential Soil.

Value exceeds the NYSDEC RUSCO.

Value exceeds both the NYSDEC RUSCO and EPA RML for Residential Soil.